

NPD2-0-26500-1-3

DC~26.5GHz, 1W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~26.5GHz
Insertion Loss:	7.5dB max.
VSWR:	1.35 max.
Isolation:	10dB min.
Amplitude Balance:	±0.25dB
Phase Balance:	±3°
Average Power:	1W

Mechanical

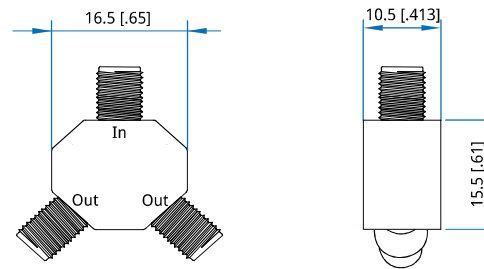
Size*1:	16.5*15.5*10.5mm 0.65*0.61*0.413in
Connectors:	3.5mm Female

[1] Exclude connectors.

Environmental

Operation Temperature: -20~+55°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-26500-1-3

Customization is available upon request.



2-Way Resistive Power Divider

NPD2-0-40000-1-K

DC~40GHz, 1W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~40GHz
Insertion Loss:	7.5dB max.
VSWR:	1.45 max.
Isolation:	9dB min.
Amplitude Balance:	± 0.4 dB
Phase Balance:	$\pm 4^\circ$
Average Power:	1W

Mechanical

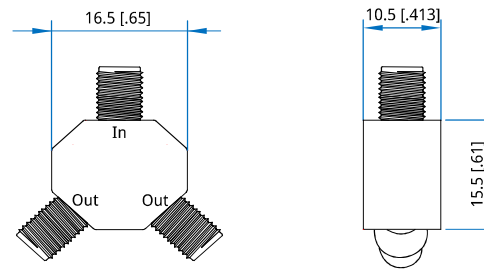
Size*1:	16.5*15.5*10.5mm 0.65*0.61*0.413in
Connectors:	2.92mm Female

[1] Exclude connectors.

Environmental

Operation Temperature: -20~+55°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-0-40000-1-K

Customization is available upon request.



2-Way Resistive Power Divider

NPD2-0-50000-R5-2

DC~50GHz, 0.5W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~50GHz
Insertion Loss:	7.7dB max.
VSWR:	2 max.
Isolation:	9dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±5°
Average Power:	0.5W

Mechanical

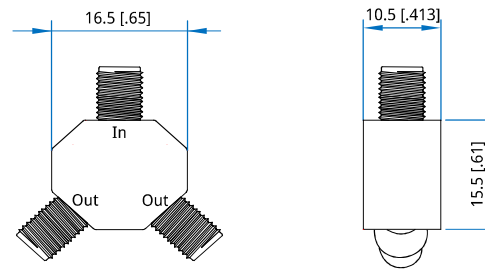
Size*1:	16.5*15.5*10.5mm 0.65*0.61*0.413in
Connectors:	2.4mm Female

[1] Exclude connectors.

Environmental

Operation Temperature: -20~+55°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-50000-R5-2

Customization is available upon request.



2-Way Resistive Power Divider

NPD2-0-67000-R5-V

DC~67GHz, 0.5W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~67GHz
Insertion Loss:	7.8dB max.
VSWR:	2 max.
Isolation:	7.8dB min.
Amplitude Balance:	±0.8dB
Phase Balance:	±7°
Average Power:	0.5W

Mechanical

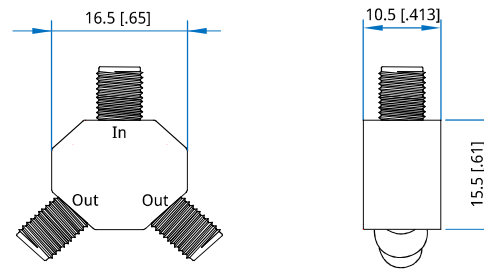
Size*1:	16.5*15.5*10.5mm 0.65*0.61*0.413in
Connectors:	1.85mm Female

[1] Exclude connectors.

Environmental

Operation Temperature: -20~+55°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-67000-R5-V

Customization is available upon request.

NPD2-2-500-1-S

2-Way, 0.002~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.002~0.5GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	±0.3dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

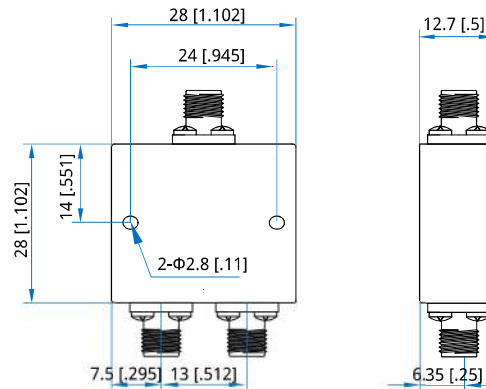
Size*1:	28*28*12.7mm 1.102*1.102*0.5in
Weight:	45g
Connectors:	SMA Female
Mounting:	2-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-2-500-1-S

Customization is available upon request.

NPD2-5-1000

2-Way, 0.005~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.005~1GHz
Insertion Loss:	1dB max.
Input VSWR:	1.25 max. (N, BNC) 1.3 max. (SMA)
Output VSWR:	1.25 max. (N, BNC) 1.3 max. (SMA)
Isolation:	17dB min. (N, BNC) 18dB min. (SMA)
Amplitude Balance:	0.3dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

Mounting:	2-Φ2.8mm through-hole (SMA)
Mounting:	4-Φ3.2mm through-hole (N, BNC)

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-5-1000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

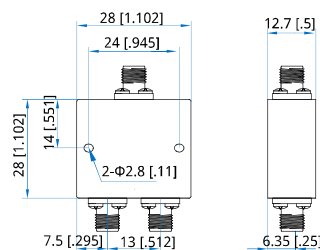
B - BNC Female (Outline C)

Examples:

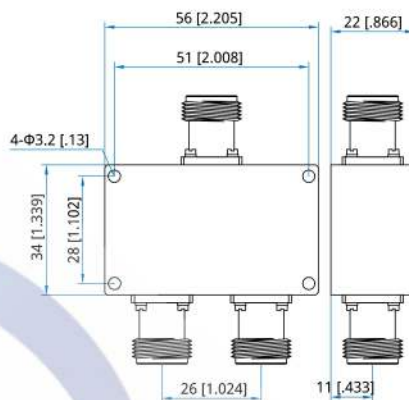
To order a 2-way power divider, 0.005~1GHz, 1W, N female, specify NPD2-5-1000-1-N.

Customization is available upon request.

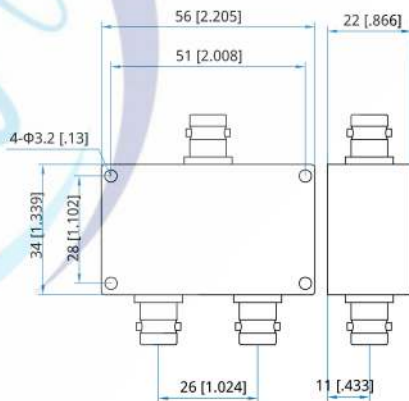
Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD2-10-1000-1-S

2-Way, 0.01~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.01~1GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

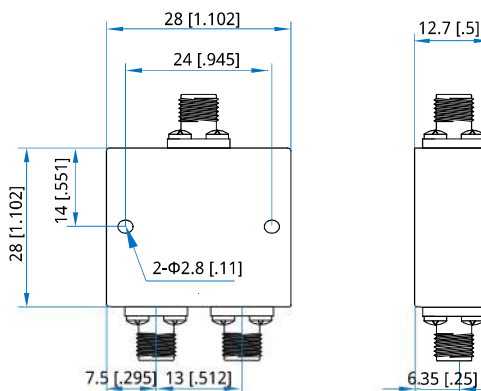
Size*1:	28*28*12.7mm 1.102*1.102*0.5in
Weight:	45g
Connectors:	SMA Female
Mounting:	2- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-10-1000-1-S

Customization is available upon request.

NPD2-30-300-2-N

2-Way, 0.03~0.3GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.03~0.3GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	5.6dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

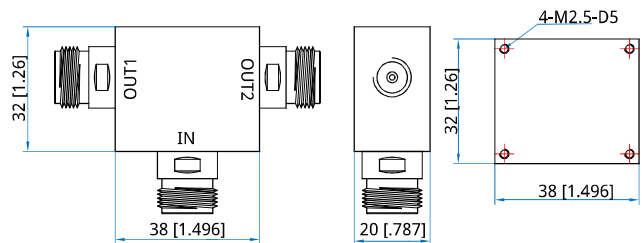
Size ^[1] :	38*32*20mm 1.496*1.26*0.787in
Weight:	160g
Connectors:	N Female
Mounting:	4-M2.5, depth 5mm

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-30-300-2-N

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-30-400-20-S

2-Way, 0.03~0.4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.03~0.4GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	20W max. 2W max. as combiner

Mechanical

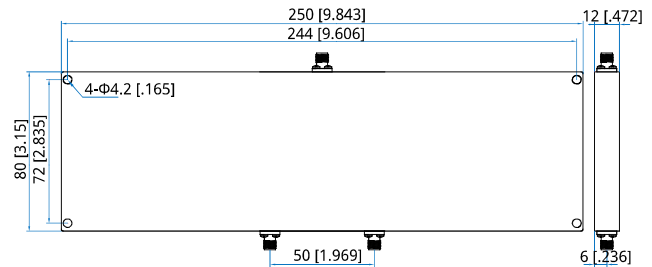
Size*1:	250*80*12mm 9.843*3.15*0.472in
Weight:	435g
Connectors:	SMA Female
Mounting:	4- Φ 4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-30-400-20-S

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-30-512

2-Way, 30~512MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	30~512MHz
Insertion Loss:	1.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 100W max. as combiner

Mechanical

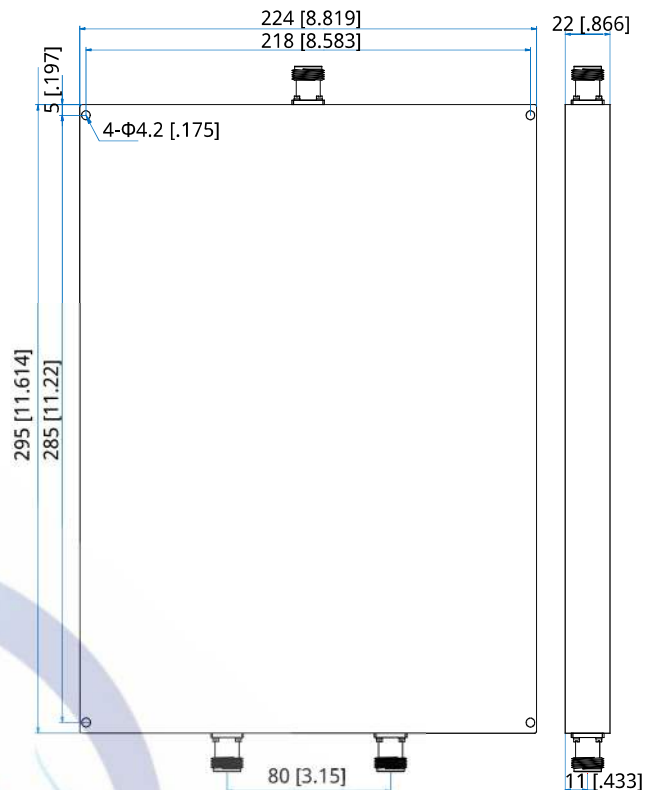
Size*1:	295*224*22mm 11.614*8.819*0.866in
Connectors:	N Female
Mounting:	4- Φ 4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-30-512

Customization is available upon request.

NPD2-30-1000-20-S

2-Way, 0.03~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.03~1GHz
Insertion Loss:	3dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	20W max. 2W max. as combiner

Mechanical

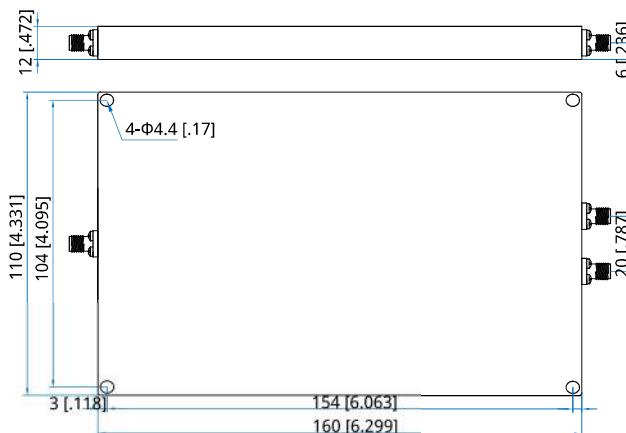
Size*1:	160*110*12mm 6.299*4.331*0.472in
Weight:	500g
Connectors:	SMA Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-30-1000-20-S

Customization is available upon request.

NPD2-30-3000-2-N

2-Way, 0.03~3GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.03~3GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	5.6dB min.
Amplitude Balance:	0.3dB max.
Impedance:	50Ω
Average Power:	2W

Mechanical

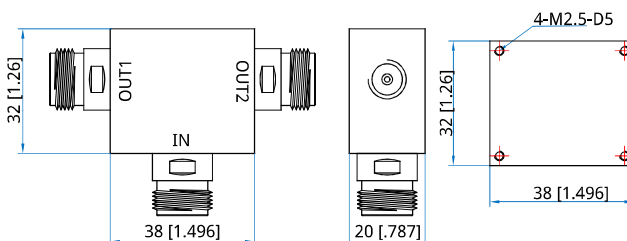
Size*1:	38*32*20mm 1.496*1.26*0.787in
Weight:	160g
Connectors:	N Female
Mounting:	4-M2.5, depth 5mm

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-30-3000-2-N

Customization is available upon request.

NPD2-30-3000-2-S

2-Way, 0.03~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.03~3GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	5.6dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

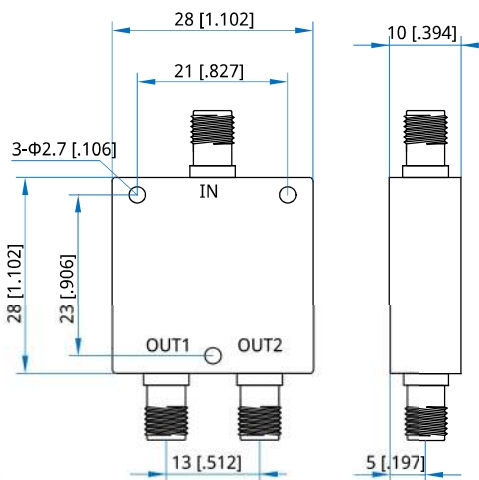
Size*1:	28*28*10mm 1.102*1.102*0.394in
Weight:	21g
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-30-3000-2-S

Customization is available upon request.

NPD2-50-500

2-Way, 0.05~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.05~0.5GHz
Insertion Loss:	0.6dB max. (SMA) 0.5dB max. (N)
Input VSWR:	1.3 max. (SMA) 1.2 max. (N)
Output VSWR:	1.3 max. (SMA) 1.2 max. (N)
Isolation:	18dB min. (SMA) 20dB min. (N)
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

Mounting: 4- Φ 2.8mm through-hole (SMA)

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-50-500-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

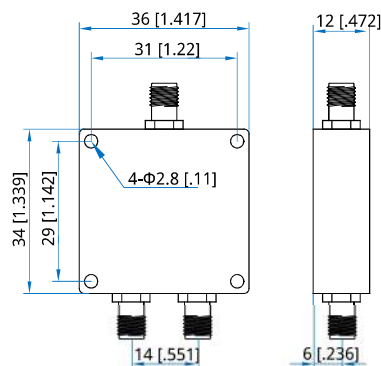
N - N Female (Outline B)

Examples:

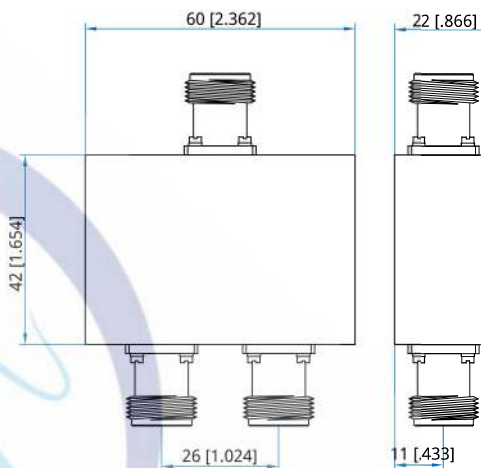
To order a 2-way power divider, 0.05~0.5GHz, 1W, N female, specify NPD2-50-500-1-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-52-57

2-Way, 52~57MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	52~57MHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	600W max. 60W max as combiner

Mechanical

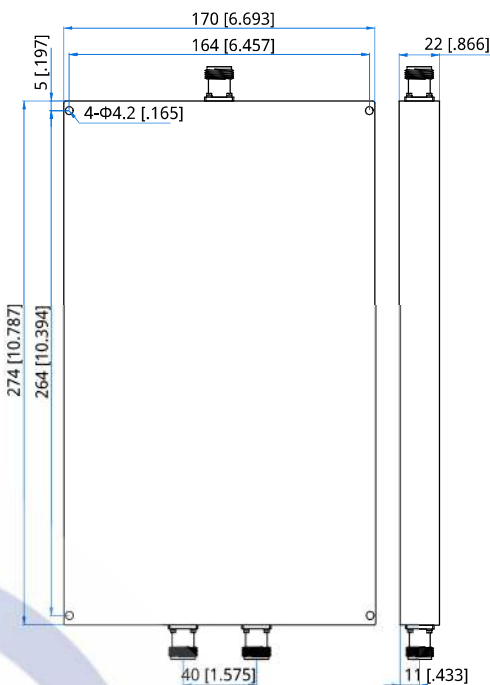
Size*1:	170*274*22mm 6.693*10.787*0.866in
Connectors:	N Female
Mounting:	4- Φ 4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]
Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-52-57

Customization is available upon request.

NPD2-68-72-1-N

2-Way, 0.068~0.072GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.068~0.072GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

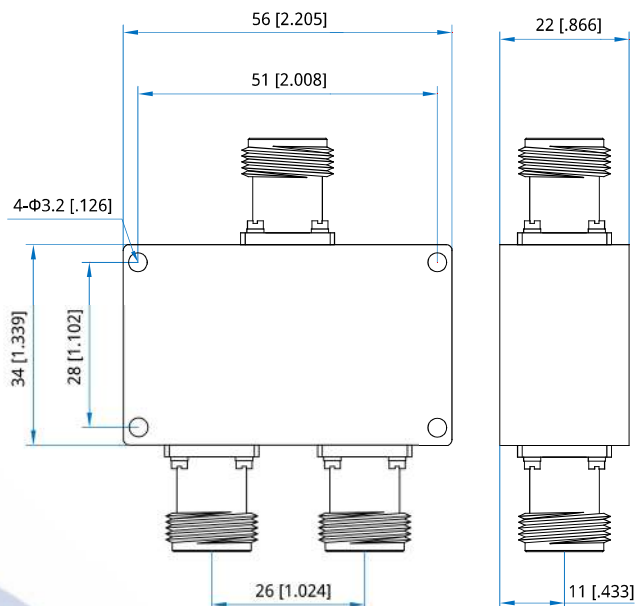
Size*1:	56*34*22mm 2.205*1.339*0.866in
Weight:	145g
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-68-72-1-N

Customization is available upon request.

NPD2-68-72-30-N

2-Way, 0.068~0.072GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.068~0.072GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

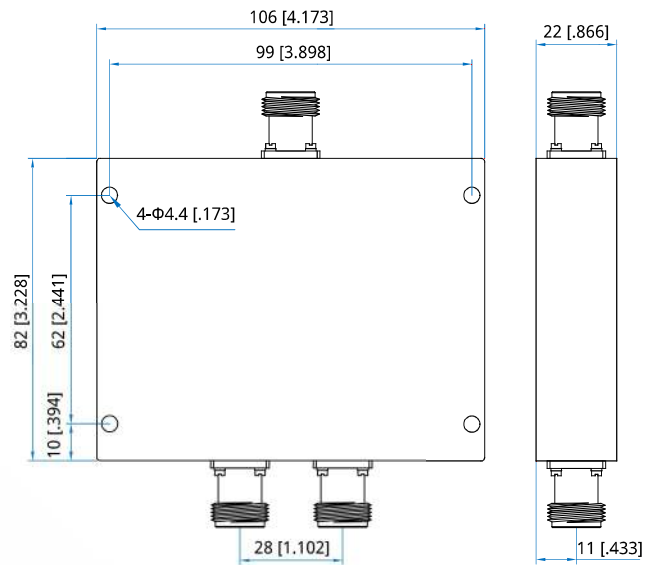
Size*1:	106*82*22mm 4.173*3.228*0.866in
Weight:	480g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-68-72-30-N

Customization is available upon request.

NPD2-68-72-K2-N

2-Way, 0.068~0.072GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.068~0.072GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50Ω
Average Power:	200W max. 20W max. as combiner

Mechanical

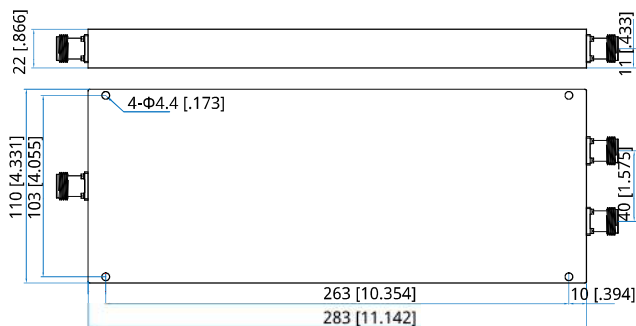
Size ^[1] :	283*110*22mm 11.142*4.331*0.866in
Weight:	1400g
Connectors:	N Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-68-72-K2-N

Customization is available upon request.

NPD2-70-2700-K1-N

2-Way, 0.07~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

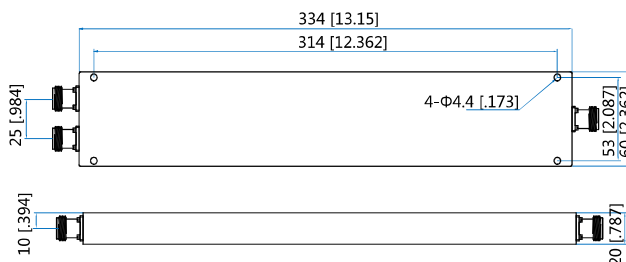
Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.07~2.7GHz
Insertion Loss:	2dB max.
Input VSWR:	1.5 max.@70~100MHz 1.25 max.@100~2700MHz
Output VSWR:	1.2 max.
Isolation:	15dB min. @70~100MHz 20dB min. @100~2700MHz
Amplitude Balance:	0.2dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	100W max. 5W max. as Combiner

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Mechanical

Size*1:	334*60*20mm 13.15*2.362*0.787in
Weight:	1.1Kg
Connectors:	N Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

How To Order

NPD2-70-2700-K1-N

Customization is available upon request.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------



2-Way Power Divider/Combiner

PD2-70-4200-20-S

2-Way, 0.07~4.2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.07~4.2GHz
Insertion Loss:	5dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	20W max. 2W max. as combiner

Mechanical

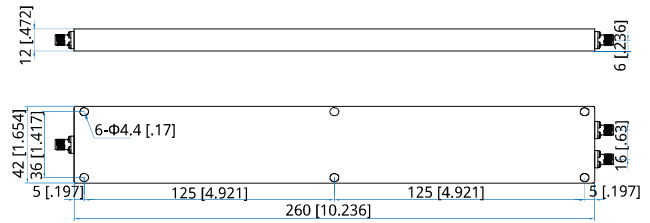
Size*1:	260*42*12mm 10.236*1.654*0.472in
Weight:	300g
Connectors:	SMA Female
Mounting:	6- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-70-4200-20-S

Customization is available upon request.

NPD2-80-110-30-S

2-Way, 0.08~0.11GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.08~0.11GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

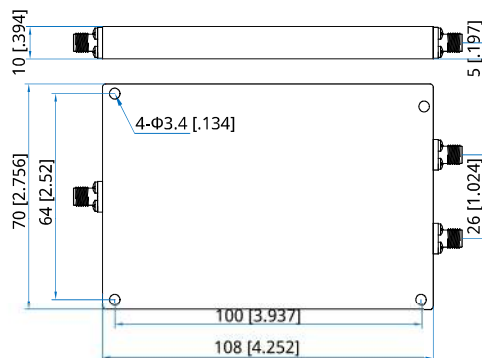
Size*1:	108*70*10mm 4.252*2.756*0.394in
Weight:	165g
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-80-110-30-S

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-80-500-30-S

2-Way, 0.08~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.08~0.5GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	19dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

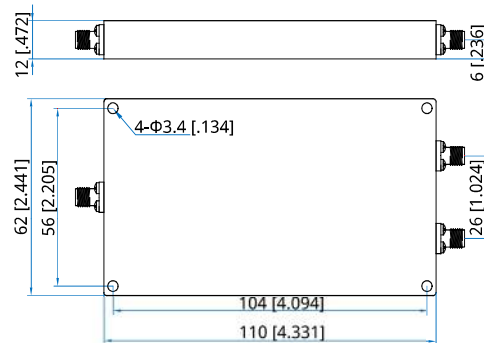
Size*1:	110*62*12mm 4.331*2.441*0.472in
Weight:	158g
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-80-500-30-S

Customization is available upon request.

NPD2-80-2000

2-Way, 0.08~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.08~2GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	19dB min. (SMA) 20dB min. (N)
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4- Φ 3.4mm through-hole (SMA)

Environmental

Operation Temperature: -35~+75 $^\circ$ C

How To Order

NPD2-80-2000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

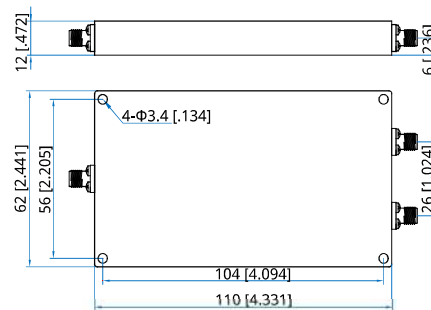
N - N Female (Outline B)

Examples:

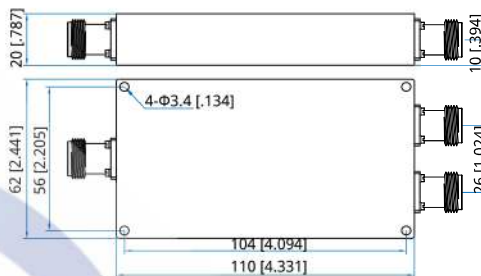
To order a 2-way power divider, 0.08~2GHz, 30W, N female, specify NPD2-80-2000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-80-4000-30-S

2-Way, 0.08~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.08~4GHz
Insertion Loss:	2.5dB max.
Input VSWR:	1.5 max. (80~140MHz) 1.2 max. (140~4000MHz)
Output VSWR:	1.2 max.
Isolation:	16dB min (80~100MHz). 20dB min.(100~4000MHz)
Amplitude Balance:	0.3dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

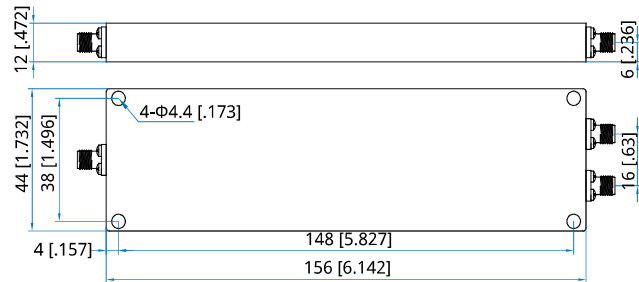
Size*1:	156*44*12mm 6.142*1.732*0.472in
Weight:	200g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-80-4000-30-S

Customization is available upon request.

NPD2-100-200-K1-N

2-Way, 0.1~0.2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.2GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

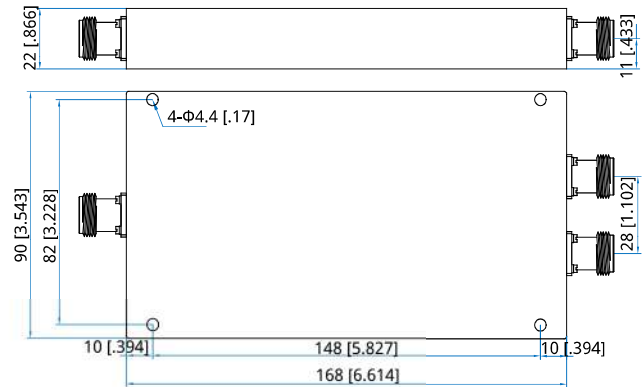
Size ^[1] :	168*90*22mm 6.614*3.543*0.866in
Weight:	750g
Connectors:	N Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-100-200-K1-N

Customization is available upon request.

NPD2-100-350-30-S

2-Way, 0.1~0.35GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.35GHz
Insertion Loss:	1dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

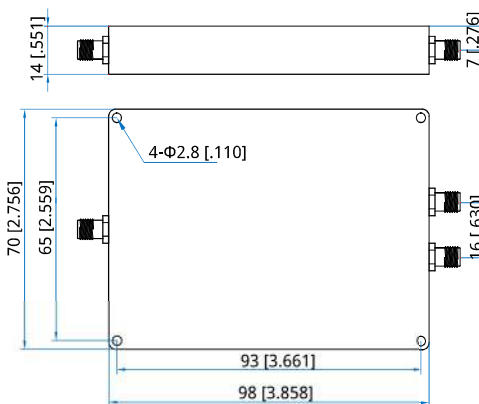
Size*1:	98*70*14mm 3.858*2.756*0.551in
Weight:	200g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-100-350-30-S

Customization is available upon request.

NPD2-100-400

2-Way, 0.1~0.4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.4GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

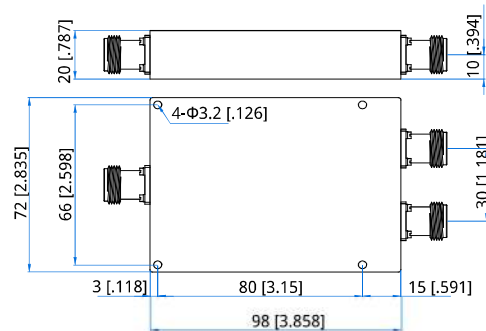
Size*1:	98*72*20mm 3.858*2.835*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-400

Customization is available upon request.

NPD2-100-400-K2-N

2-Way, 0.1~0.4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.4GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	200W max. 20W max. as combiner

Mechanical

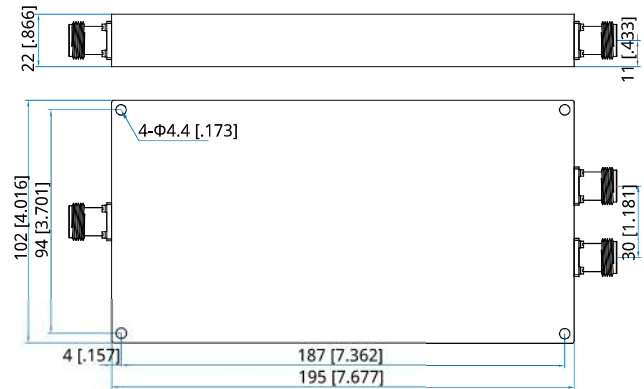
Size*1:	195*102*22mm 7.677*4.016*0.866in
Weight:	1000g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-400-K2-N

Customization is available upon request.

NPD2-100-500

2-Way, 0.1~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.5GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 5W max. as combiner

Mechanical

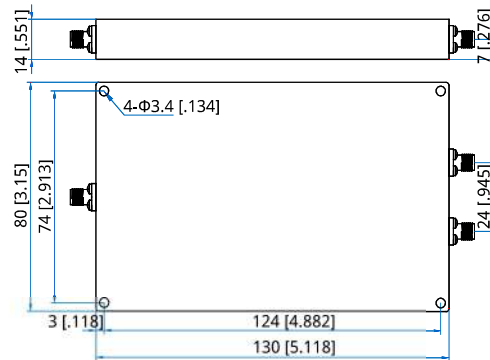
Size*1:	130*80*14mm 5.118*3.15*0.551in
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-500

Customization is available upon request.

NPD2-100-500-50-N

2-Way, 0.1~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.5GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	50W max. 3W max. as combiner

Mechanical

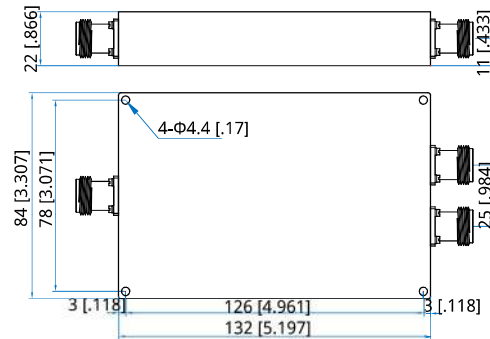
Size*1:	132*84*22mm 5.197*3.307*0.866in
Weight:	420g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-500-50-N

Customization is available upon request.

NPD2-100-500-K3-N

2-Way, 0.1~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.5GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max.
	20W max. as combiner
	(Outline A)
	100W max. as combiner
	(Outline B)

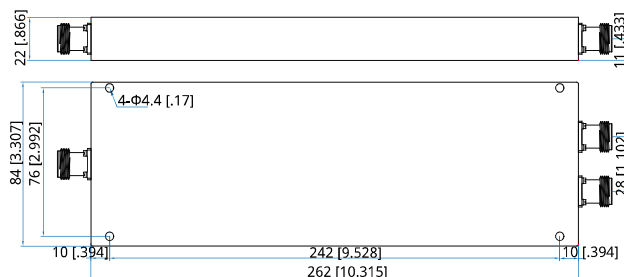
Mechanical

Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

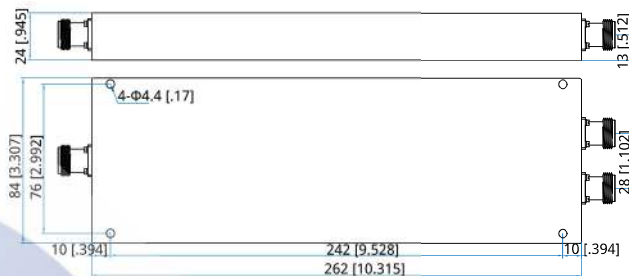
Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-100-500-K3-N-20 - Outline A

NPD2-100-500-K3-N-K1 - Outline B

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-100-500-K4-7

2-Way, 0.1~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.5GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	400W max. 100W max. as combiner

Mechanical

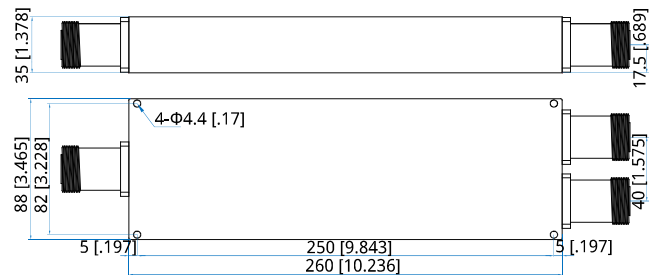
Size*1:	260*88*35mm 10.236*3.465*1.378in
Weight:	2600g
Connectors:	7/16 DIN Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-500-K4-7

Customization is available upon request.

NPD2-100-512

2-Way, 0.1~0.512GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.512GHz
Insertion Loss:	0.7dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	23dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

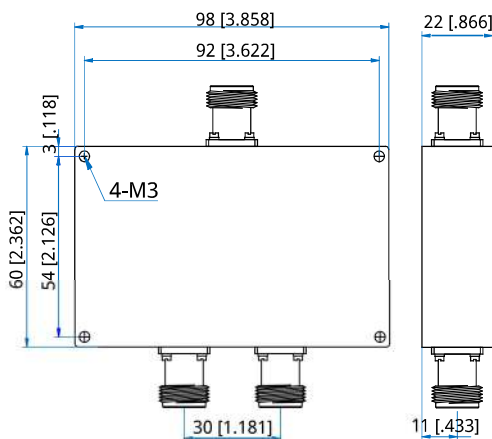
Size*1:	98*60*22mm 3.858*2.362*0.866in
Connectors:	N Female
Mounting:	4-M3

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-100-512

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-100-550-K1-N

2-Way, 0.1~0.55GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.55GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

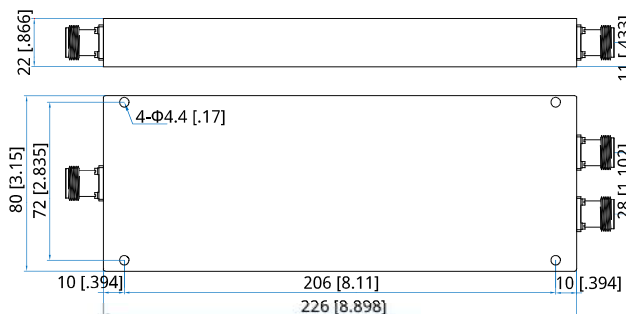
Size*1:	226*80*22mm 8.898*3.15*0.866in
Weight:	1200g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-550-K1-N

Customization is available upon request.

NPD2-100-600

2-Way, 0.1~0.6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~0.6GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

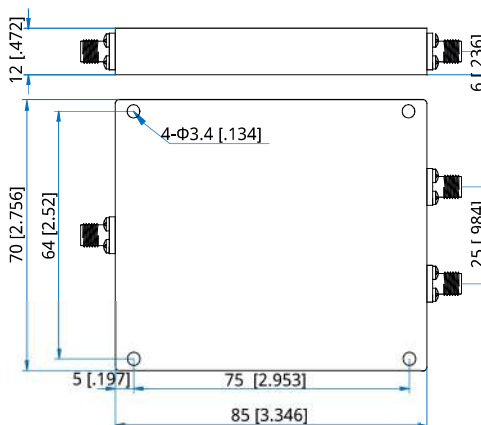
Size*1:	85*70*12mm 3.346*2.756*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-100-600

Customization is available upon request.

NPD2-100-1000-30-S

2-Way, 0.1~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~1GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

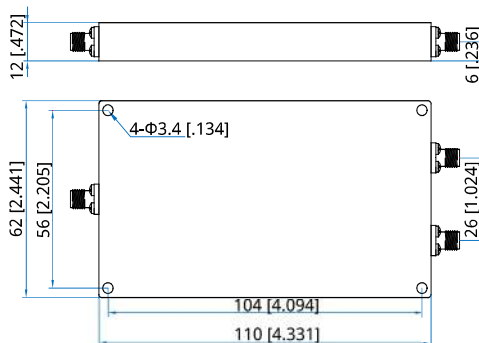
Size*1:	110*62*12mm 4.331*2.441*0.472in
Weight:	158g
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-100-1000-30-S

Customization is available upon request.

NPD2-100-4000-30-S

2-Way, 0.1~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.1~4GHz
Insertion Loss:	2dB max.
Input VSWR:	1.4 max. @100~140MHz 1.2 max. @140~400MHz
Output VSWR:	1.2 max.
Isolation:	16dB min. @100~140MHz 20dB min. @140~4000MHz
Amplitude Balance:	0.3dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

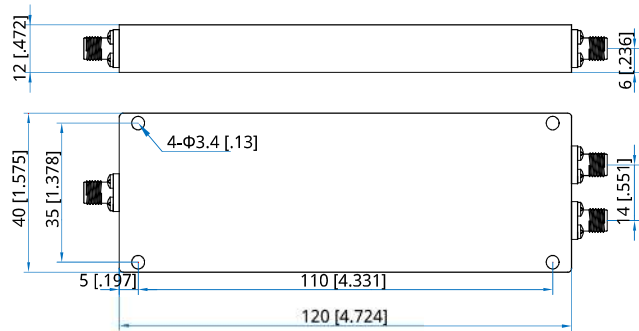
Size*1:	120*40*12mm 4.724*1.575*0.472in
Weight:	180g
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-100-4000-30-S

Customization is available upon request.

NPD2-134-3700

2-Way, 134~3700MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	134~3700MHz
Insertion Loss:	2.2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

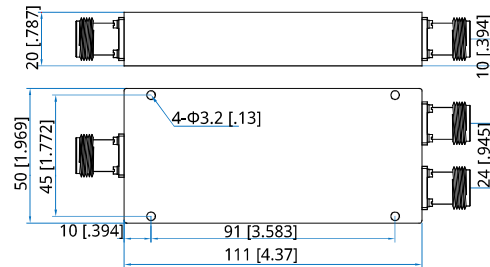
Size*1:	111*50*20mm 4.37*1.969*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-134-3700

Customization is available upon request.

NPD2-0-2000-2-S

2-Way, DC~2GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~2GHz
Insertion Loss:	6.0±0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	6dB min.
Amplitude Balance:	±0.5dB
Impedance:	50Ω
Average Power:	2W

Mechanical

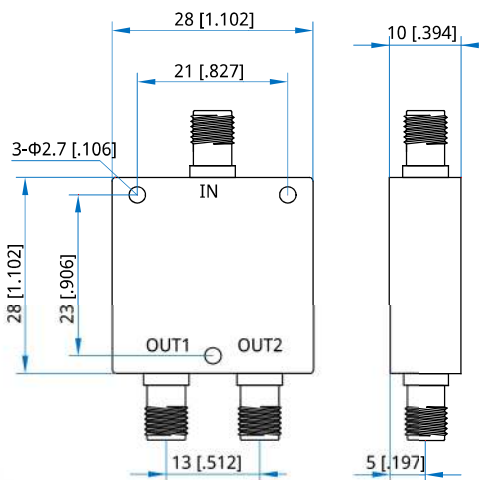
Size ^[1] :	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female
Mounting:	3-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-2000-2-S

Customization is available upon request.

NPD2-0-2400-2-S

2-Way, DC~2.4GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~2.4GHz
Insertion Loss:	6.0±0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	6dB min.
Amplitude Balance:	0.5dB
Impedance:	50Ω
Average Power:	2W

Mechanical

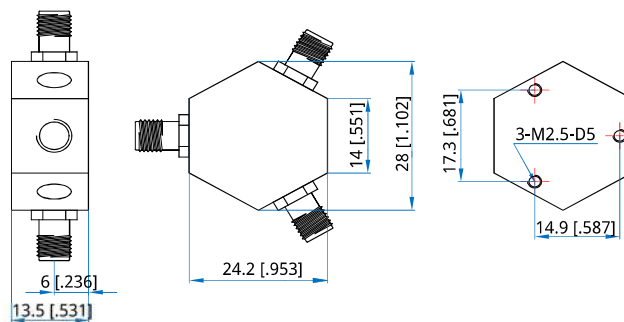
Size ^[1] :	24.2*28*13.5mm 0.953*1.102*0.531in
Connectors:	SMA Female
Mounting:	3-M2.5, depth 5mm

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-2400-2-S

Customization is available upon request.



2-Way Resistive Power Dividers

NPD2-0-3000

2-Way, DC~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~3GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	5.6dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

Mounting:	3- Φ 2.7mm through-hole (SMA)
	4-M2.5, depth 5mm (N)

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

How To Order

NPD2-0-3000-X-Y

X: Average power

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

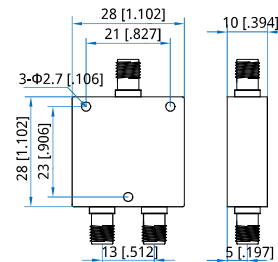
N - N Female (Outline B)

Examples:

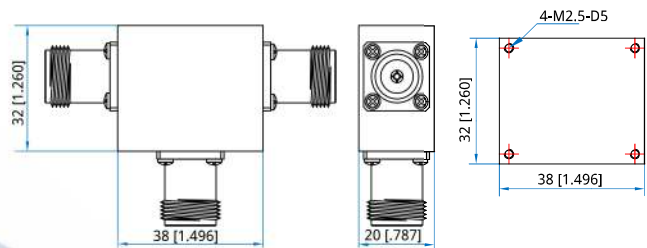
To order a 2-way resistive power divider, DC~3GHz, 2W, N female, specify NPD2-0-3000-2-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

NPD2-0-4000-2-S

2-Way, DC~4GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~4GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	5.6dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

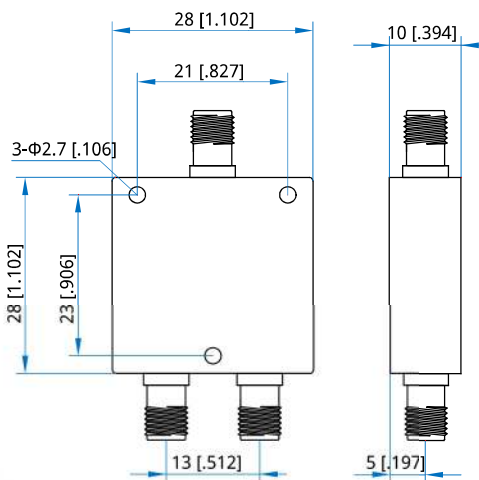
Size*1:	28*28*10mm 1.102*1.102*0.394in
Weight:	21g
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-0-4000-2-S

Customization is available upon request.



2-Way Resistive Power Dividers

NPD2-0-6000

2-Way, DC~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~6GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	5.6dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

Mounting:	3- Φ 2.7mm through-hole (SMA)
	4-M2.5, depth 5mm (N)

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

How To Order

NPD2-0-6000-X-Y

X: Average power

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

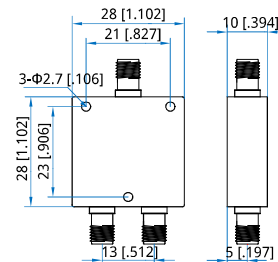
N - N Female (Outline B)

Examples:

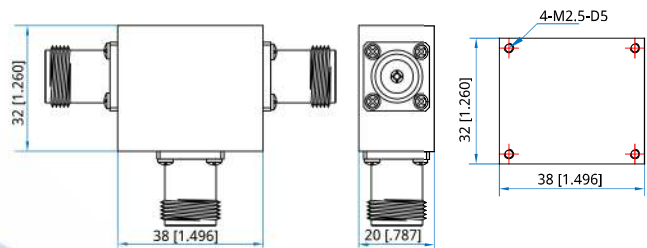
To order a 2-way resistive power divider, DC~6GHz, 2W, N female, specify NPD2-0-6000-2-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

NPD2-0-8000

2-Way, DC~8GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~8GHz
Insertion Loss:	7.2±0.5dB max.
VSWR:	1.4 max.
Isolation:	6dB min.
Amplitude Balance:	±0.5dB
Impedance:	50Ω
Power Handling:	2W

Mechanical

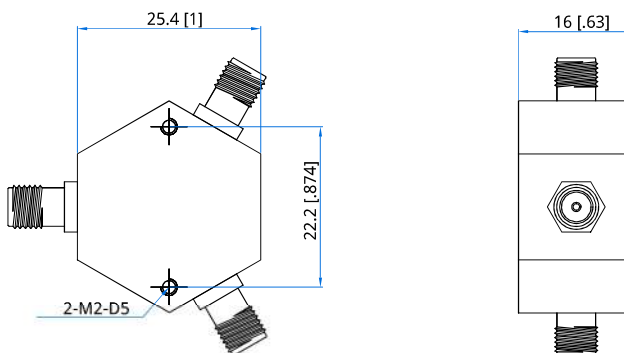
Size*1:	25.4*22.2*16mm 1*0.874*0.63in
Connectors:	SMA Female
Mounting:	2-M2, depth 5mm

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-8000

Customization is available upon request.

NPD2-0-10000

2-Way, DC~10GHz, 0.5W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~10GHz
Insertion Loss:	6±1.5dB max.
VSWR:	1.5 max.
Amplitude Balance:	±0.8dB max.
Impedance:	50Ω
Power Handling:	0.5W

Mechanical

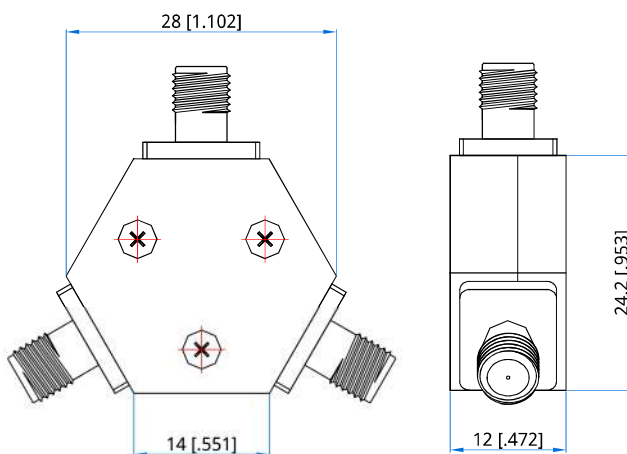
Size*1:	28*24.2*12mm 1.102*0.953*0.472in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-10000

Customization is available upon request.

NPD2-0-12400-R5-S

2-Way, DC~12.4GHz, 0.5W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~12.4GHz
Insertion Loss:	6±1.5dB max.
VSWR:	1.5 max.
Amplitude Balance:	±0.8dB max.
Impedance:	50Ω
Average Power:	0.5W

Mechanical

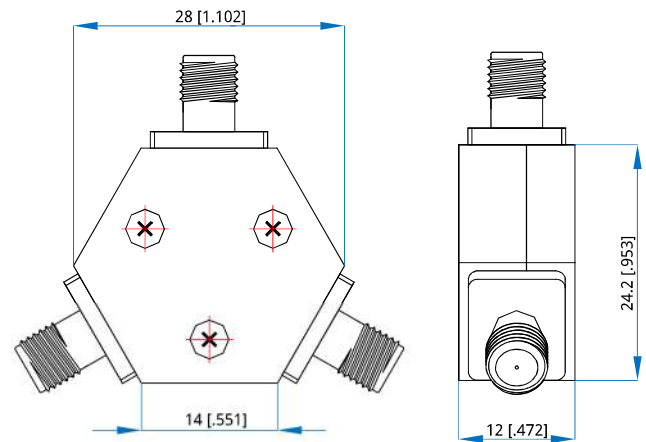
Size*1:	28*12*24.2mm 1.102*0.472*0.953in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature: -30~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-12400-R5-S

Customization is available upon request.

NPD2-0-18000-R5-S

2-Way, DC~18GHz, 0.5W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	DC~18GHz
Insertion Loss:	6±1.5dB max.
VSWR:	1.6 max.
Amplitude Balance:	±0.8dB max.
Impedance:	50Ω
Average Power:	0.5W

Mechanical

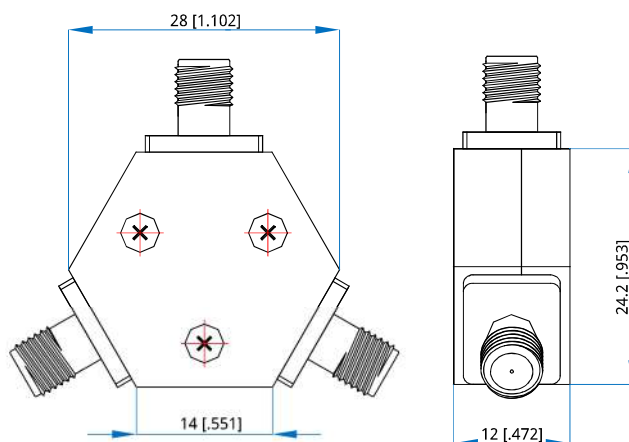
Size*1:	28*12*24.2mm 1.102*0.472*0.953in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature:	-30~+70°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-0-18000-R5-S

Customization is available upon request.

NPD2-136-174-K3-N

2-Way, 0.136~0.174GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.136~0.174GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 25W max. as combiner

Mechanical

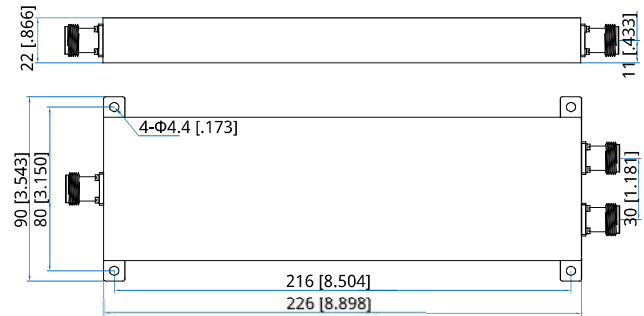
Size*1:	226*90*22mm 8.898*3.543*0.866in
Weight:	1200g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-136-174-K3-N

Customization is available upon request.

NPD2-138-960-50-N

2-Way, 0.138~0.96GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.138~0.96GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	50W max. 3W max. as combiner

Mechanical

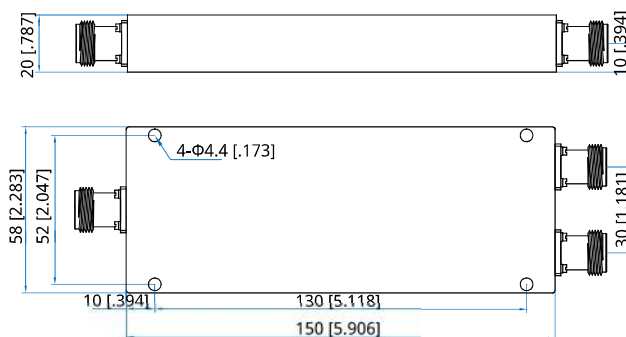
Size*1:	150*58*20mm 5.906*2.283*0.787in
Weight:	600g
Connectors:	N Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75℃

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-138-960-50-N

Customization is available upon request.

NPD2-150-980

2-Way, 150~980MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	150~980MHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 2W max. as combiner

Mechanical

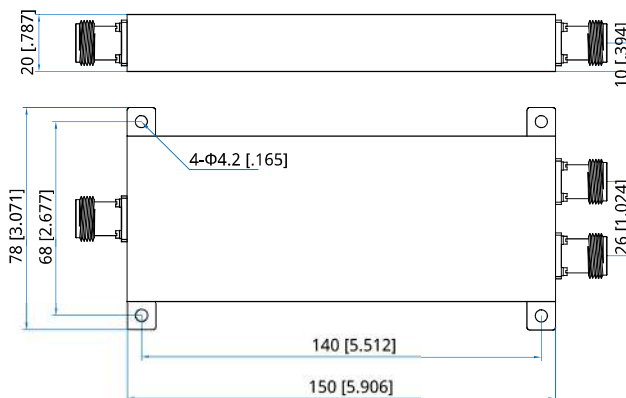
Size*1:	150*78*20mm 5.906*3.071*0.787in
Connectors:	N Female
Mounting:	4- Φ 4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-150-980

Customization is available upon request.

NPD2-200-1000

2-Way, 0.2~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.2~1GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

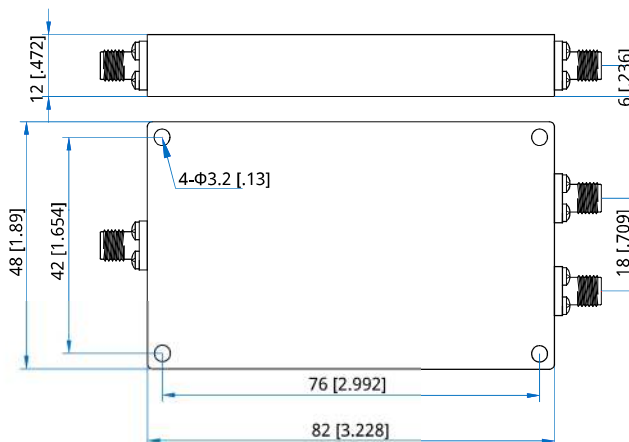
Size*1:	12*48*82mm 0.472*1.89*3.228in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-200-1000

Customization is available upon request.

NPD2-200-2000

2-Way, 0.2~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.2~2GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Size*1:	85*44*12mm 3.346*1.732*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-200-2000

Customization is available upon request.

NPD2-200-6000

2-Way, 0.2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.2~6GHz
Insertion Loss:	2.2dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Connectors:	N Female SMA Female
Mounting:	4-Φ3.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

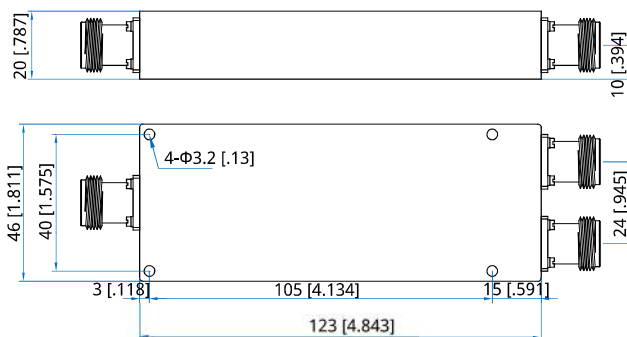
How To Order

NPD2-200-6000-N - N female, OutlineA

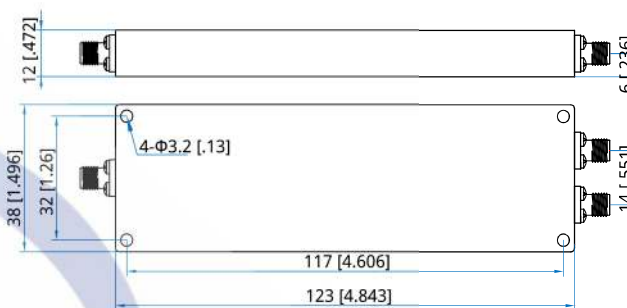
NPD2-200-6000-S - SMA female, Outline B

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]



2-Way Power Divider/Combiner

NPD2-200-6000-50-S

2-Way, 0.2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.2~6GHz
Insertion Loss:	6dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 5W max. as combiner

Mechanical

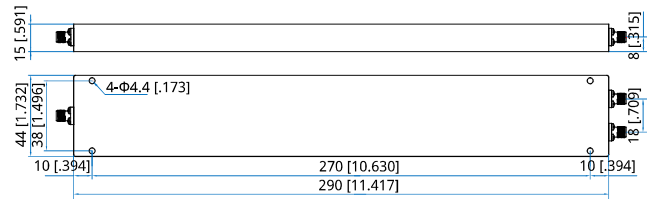
Size*1:	290*44*15mm 11.417*1.732*0.591in
Weight:	550g
Connectors:	SMA Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-200-6000-50-S

Customization is available upon request.

NPD2-210-240

2-Way, 0.21~0.24GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.21~0.24GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	50W max. 5W max. as combiner

Mechanical

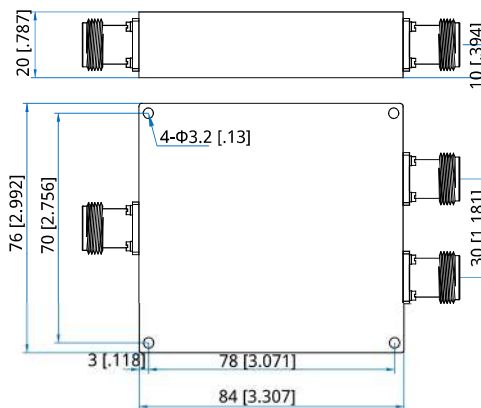
Size*1:	84*76*20mm 3.307*2.992*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-210-240

Customization is available upon request.

NPD2-225-512-K1-N

2-Way, 0.225~0.512GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.225~0.512GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

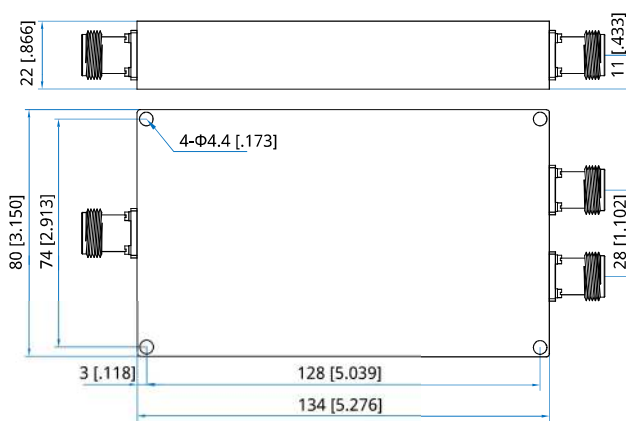
Size ^[1] :	134*80*22mm 5.276*3.15*0.866in
Weight:	680g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-225-512-K1-N

Customization is available upon request.

NPD2-300-500

2-Way, 0.3~0.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.3~0.5GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50Ω
Average Power:	50W max. 5W max. as combiner

Mechanical

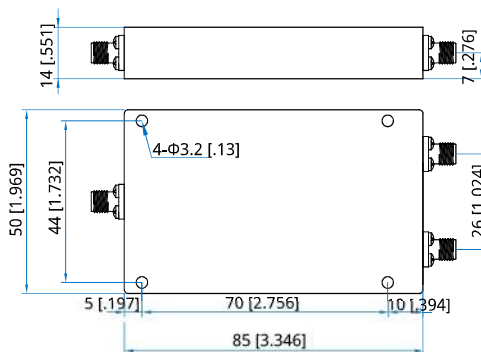
Size*1:	85*50*14mm 3.346*1.969*0.551in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-300-500

Customization is available upon request.

NPD2-300-600

2-Way, 0.3~0.6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.3~0.6GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	50W max. 5W max. as combiner

Mechanical

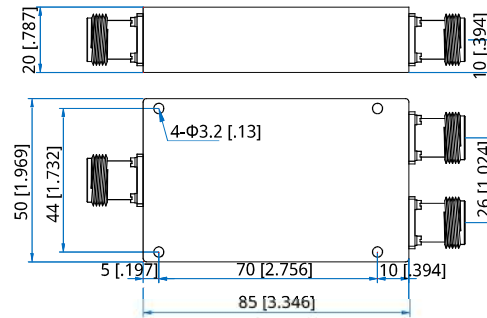
Size*1:	85*50*20mm 3.346*1.969*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-300-600

Customization is available upon request.

NPD2-300-900

2-Way, 0.3~0.9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.3~0.9GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

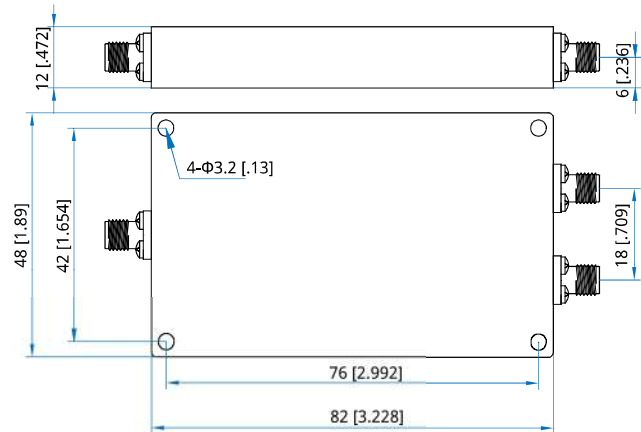
Size*1:	82*48*12mm 3.228*1.89*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-300-900

Customization is available upon request.

NPD2-300-1000

2-Way, 0.3~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.3~1GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 20W max. as combiner

Mechanical

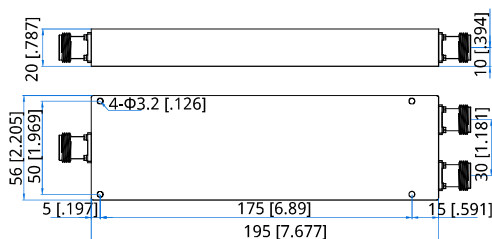
Size*1:	195*56*20mm 7.677*2.205*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-300-1000

Customization is available upon request.

NPD2-300-1800-K3-N

2-Way, 0.3~1.8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.3~1.8GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 30W max. as combiner

Mechanical

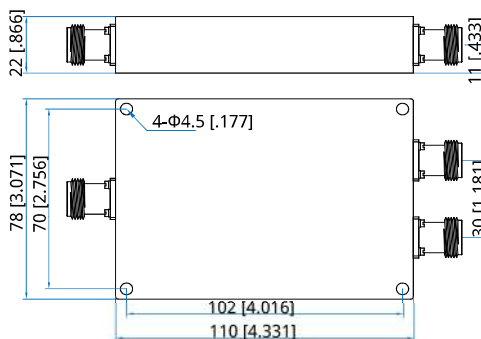
Size*1:	110*78*22mm 4.331*3.071*0.866in
Weight:	325g
Connectors:	N Female
Mounting:	4- Φ 4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-300-1800-K3-N

Customization is available upon request.

NPD2-300-2000-N

2-Way, 0.3~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.3~2GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 3W max. as combiner

Mechanical

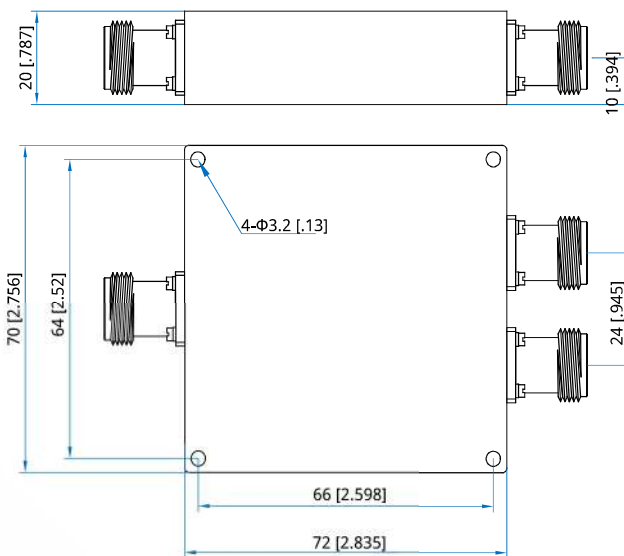
Size*1:	72*70*20mm 2.835*2.756*0.787in
Connectors:	N Female
Mounting:	4- $\Phi 3.2$ mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]
Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD3-300-2000

Customization is available upon request.

NPD2-336-366

2-Way, 336~366GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	336~366GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

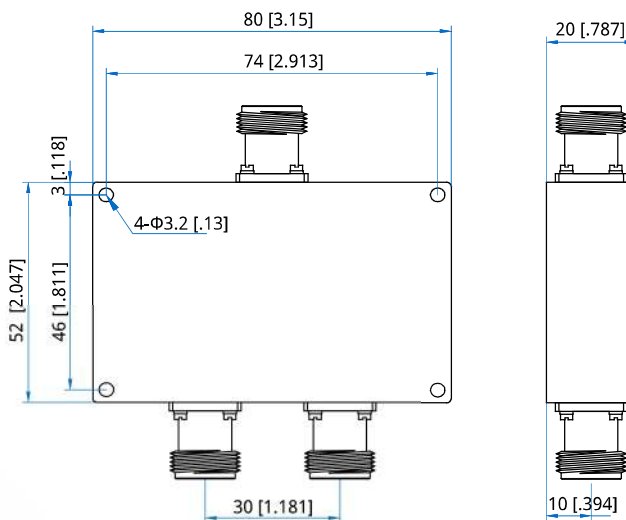
Size*1:	80*52*20mm 3.15*2.047*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-336-366

Customization is available upon request.

NPD2-350-520-K15-N

2-Way, 0.35~0.52GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.35~0.52GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	150W max. 50W max. as combiner

Mechanical

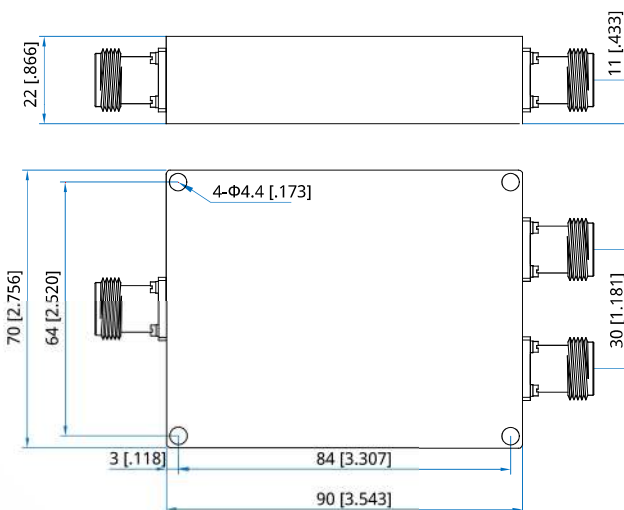
Size ^[1] :	90*70*22mm 3.543*2.756*0.866in
Weight:	280g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-350-520-K15-N

Customization is available upon request.

NPD2-350-3800

2-Way, 0.35~3.8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.35~3.8GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4- Φ 3.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-350-3800-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

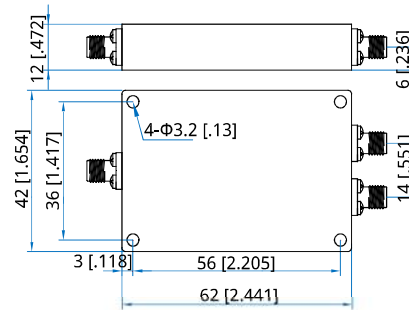
N - N Female (Outline B)

Examples:

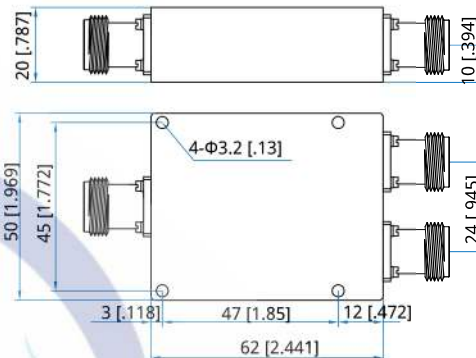
To order a 2-way power divider, 0.35~3.8GHz, 30W, N female, specify NPD2-350-3800-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-350-6000-30-S

2-Way, 0.35~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.35~6GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

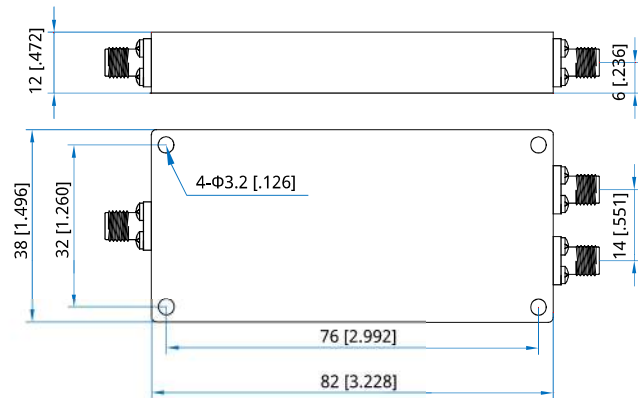
Size*1:	82*38*12mm 3.228*1.496*0.472in
Weight:	90g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-350-6000-30-S

Customization is available upon request.

NPD2-380-410-K3-N

2-Way, 0.38~0.41GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.38~0.41GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 80W max. as combiner

Mechanical

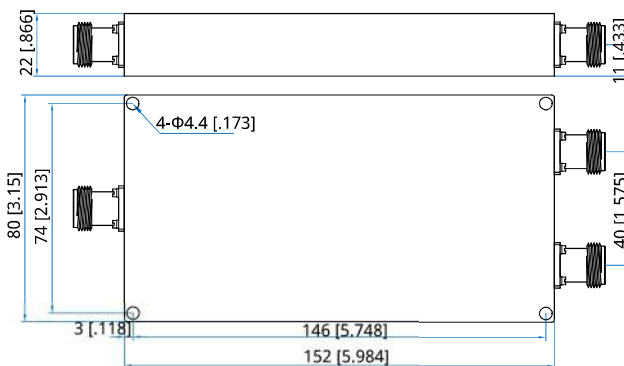
Size*1:	152*80*22mm 5.984*3.15*0.866in
Weight:	800g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-380-410-K3-N

Customization is available upon request.

NPD2-380-460

2-Way, 0.38~0.46GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.38~0.46GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	100W max.
IP Grade:	IP67

Mechanical

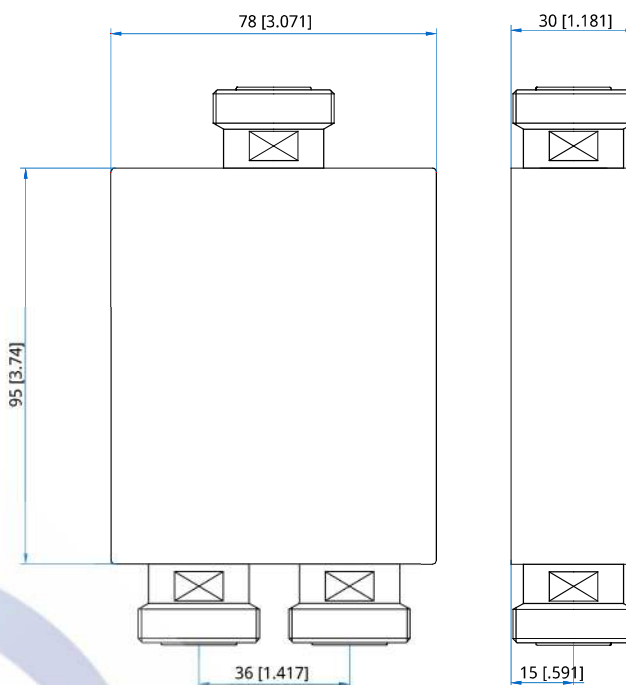
Size*1:	95*78*30mm 3.74*3.071*1.181in
Connectors:	7/16 DIN Female

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+70°C
------------------------	-----------

Outline Drawings



Unit: mm [in]
Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-380-460

Customization is available upon request.

NPD2-380-470-K3-N

2-Way, 0.38~0.47GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.38~0.47GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 25W max. as combiner

Mechanical

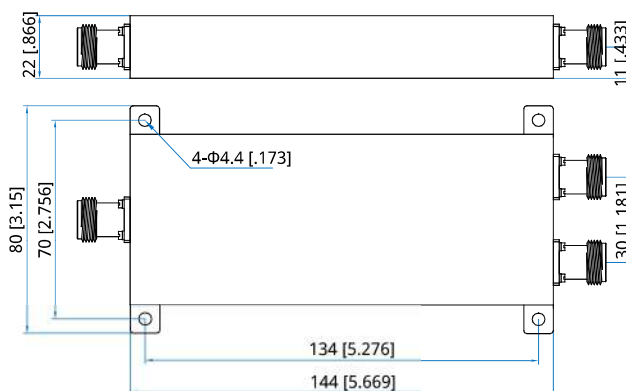
Size*1:	144*80*22mm 5.669*3.15*0.866in
Weight:	850g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-380-470-K3-N

Customization is available upon request.

NPD2-400-450-K1

2-Way, 0.4~0.45GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~0.45GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

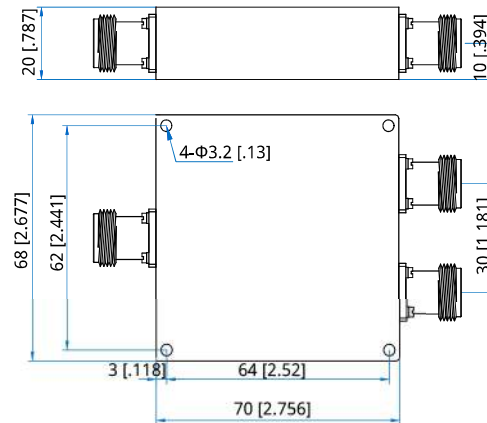
Size*1:	70*68*20mm 2.756*2.677*0.787in
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-400-450-K1

Customization is available upon request.

NPD2-400-470-30-S

2-Way, 0.4~0.47GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~0.47GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.15 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

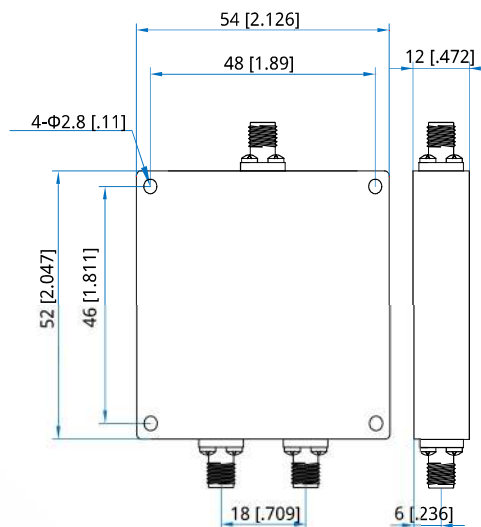
Size*1:	54*52*12mm 2.126*2.047*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-400-470-30-S

Customization is available upon request.

NPD2-400-1000-K2-N

2-Way, 0.4~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~1GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	200W max. 20W max. as combiner

Mechanical

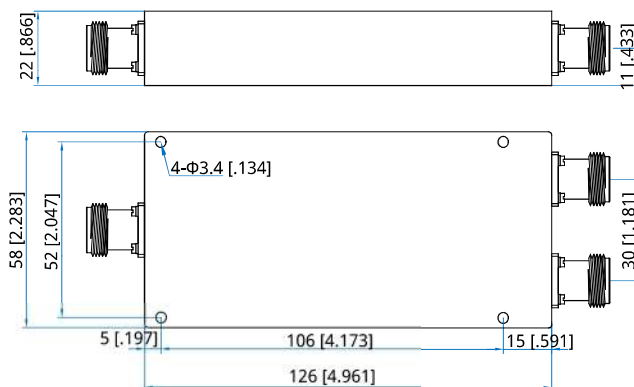
Size*1:	126*58*22mm 4.961*2.283*0.866in
Weight:	350g
Connectors:	N Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-400-1000-K2-N

Customization is available upon request.

NPD2-400-1000-K3-N

2-Way, 0.4~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~1GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 30W max. as combiner

Mechanical

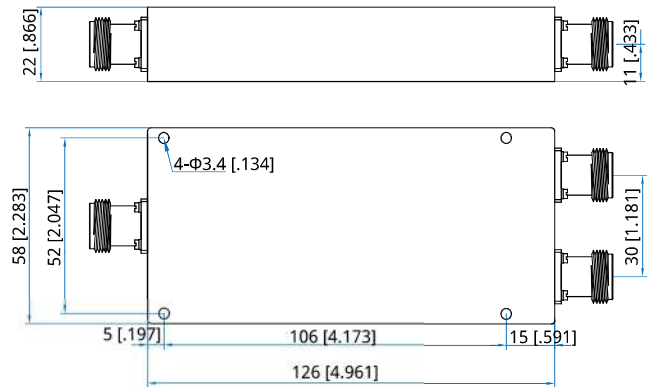
Size*1:	126*58*22mm 4.961*2.283*0.866in
Weight:	320g
Connectors:	N Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-400-1000-K3-N

Customization is available upon request.

NPD2-400-2700-30-S

2-Way, 0.4~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~2.7GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

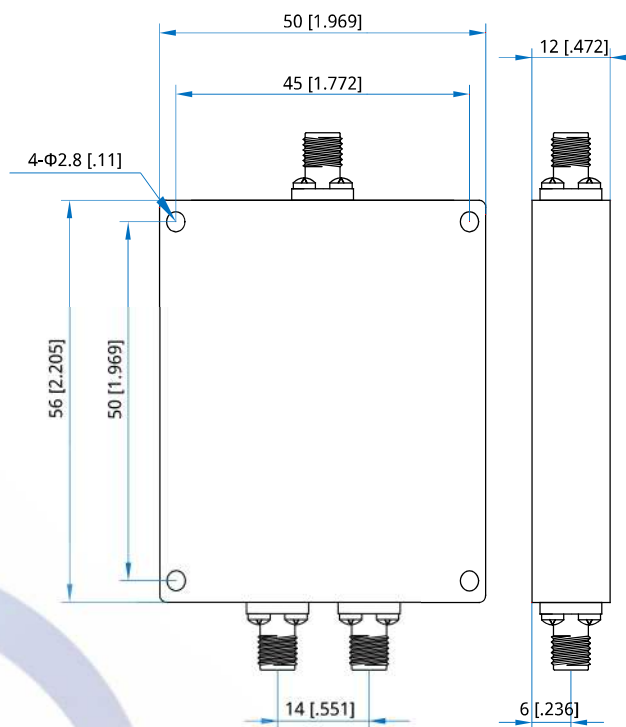
Size*1:	56*50*12mm 2.205*1.969*0.472in
Weight:	72g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]
Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-400-2700-30-S

Customization is available upon request.

NPD2-400-6000

2-Way, 0.4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~6GHz
Insertion Loss:	1.2dB max. (SMA) 1.4dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4- $\Phi 3.2$ mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-400-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

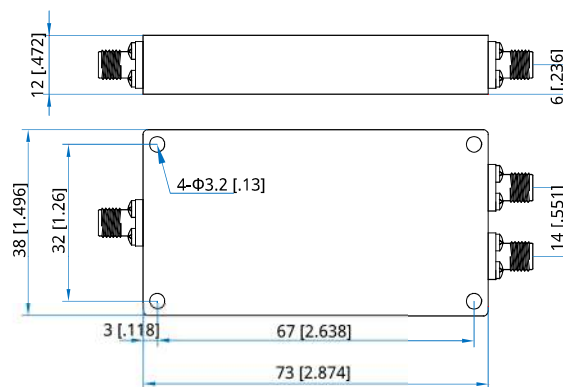
N - N Female (Outline B)

Examples:

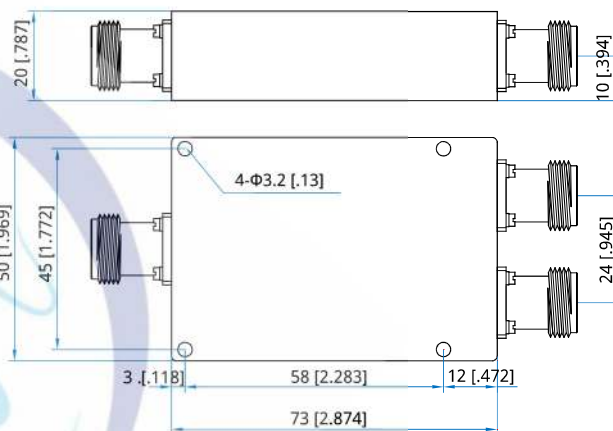
To order a 2-way power divider, 0.4~6GHz, 30W, N female, specify NPD2-400-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-400-8000

2-Way, 0.4~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~8GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

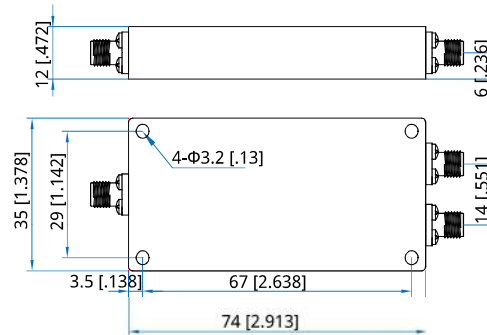
Size*1:	74*35*12mm 2.913*1.378*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-400-8000

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-400-18000

2-Way, 0.4~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.4~18GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.5 max.
Isolation:	12dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

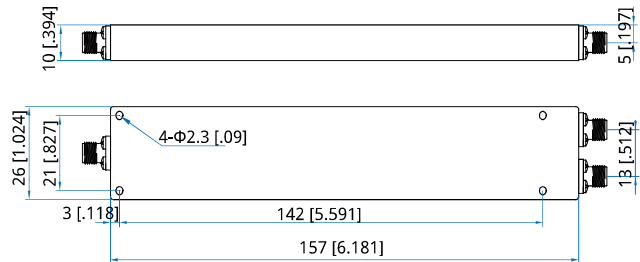
Size*1:	157*26*10mm 6.181*1.024*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-400-18000

Customization is available upon request.

NPD2-430-950-30-S

2-Way, 0.43~0.95GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.43~0.95GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

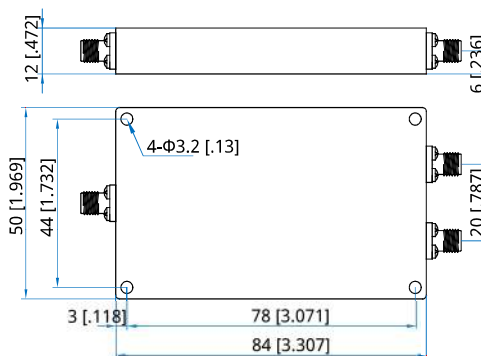
Size*1:	84*50*12mm 3.307*1.969*0.472in
Weight:	150g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-430-950-30-S

Customization is available upon request.

NPD2-500-1000

2-Way, 0.5~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~1GHz
Insertion Loss:	0.3dB max. (SMA) 0.4dB max. (N)
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min. (SMA) 22dB min. (N)
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4- Φ 2.8mm through-hole (SMA) 4- Φ 3.2mm through-hole (N)
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Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-500-1000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

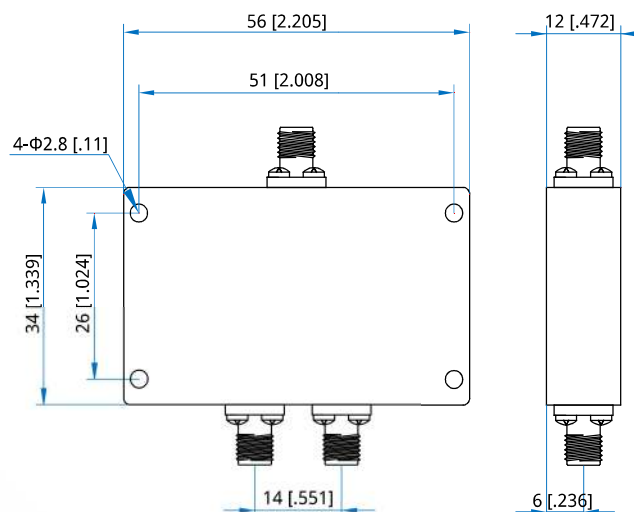
N - N Female (Outline B)

Examples:

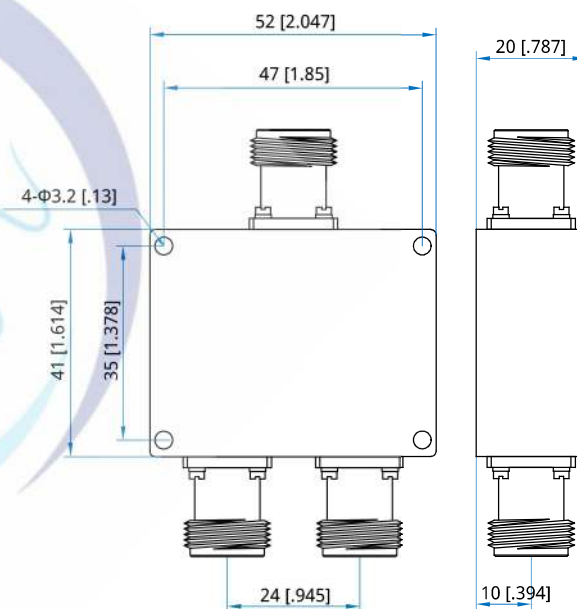
To order a 2-way power divider, 0.5~1GHz, 30W, N female, specify NPD2-500-1000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

NPD2-500-2000-20-S

2-Way, 0.5~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~2GHz
Insertion Loss:	0.5dB max.
Isolation:	20dB min.
VSWR:	1.3 max.
Amplitude Balance:	0.2dB max.
Phase Balance:	2° max.
Impedance:	50Ω
Average Power:	20W typ.

Mechanical

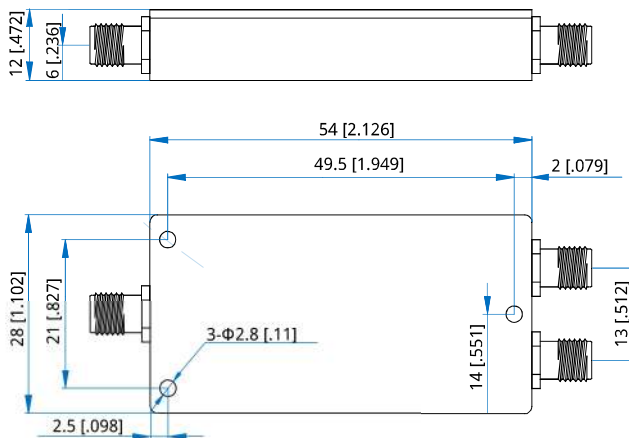
Size ^{*1} :	54*28*12mm 2.126*1.102*0.472in
Connectors:	SMA Female
Mounting:	3-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-40~+70°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-500-2000-20-S

Customization is available upon request.

NPD2-500-3000

2-Way, 0.5~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~3GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	22dB min. (SMA) 20dB min. (N)
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

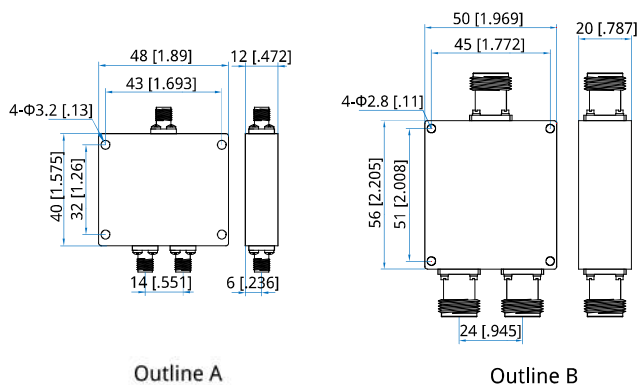
Mechanical

Mounting:	4- Φ 3.2mm through-hole (SMA) 4- Φ 2.8mm through-hole (N)
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Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]
Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-500-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 0.5~3GHz, 30W, N female, specify NPD2-500-3000-30-N.

Customization is available upon request.

NPD2-500-4000

2-Way, 0.5~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~4GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

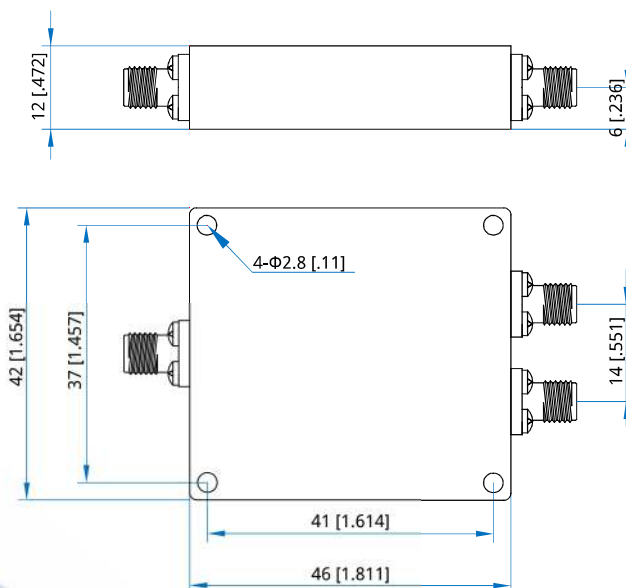
Size*1:	46*42*12mm 1.811*1.654*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-500-4000

Customization is available upon request.

NPD2-500-6000

2-Way, 0.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~6GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4- $\Phi 2.8$ mm through-hole (SMA)
Mounting:	4- $\Phi 3.2$ mm through-hole (N)

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

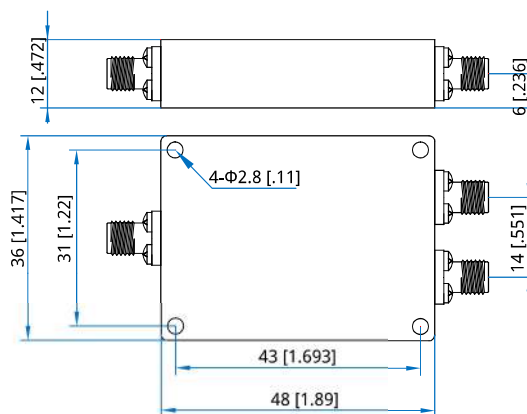
N - N Female (Outline B)

Examples:

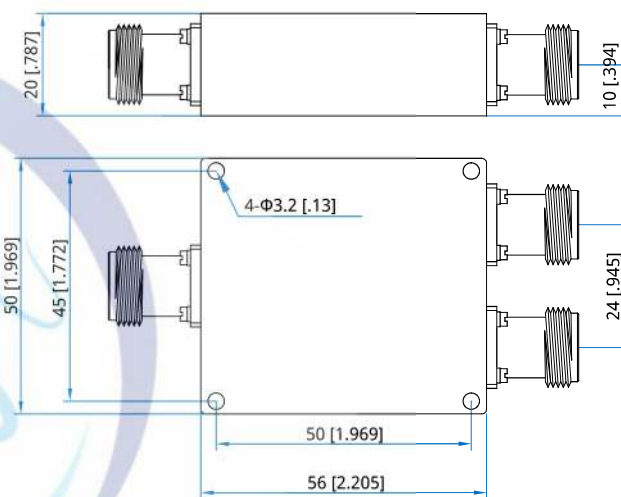
To order a 2-way power divider, 0.5~6GHz, 30W, N female, specify NPD2-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-500-8000

2-Way, 0.5~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~8GHz
Insertion Loss:	1.5dB max. (SMA) 1.8dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4- Φ 3.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-500-8000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

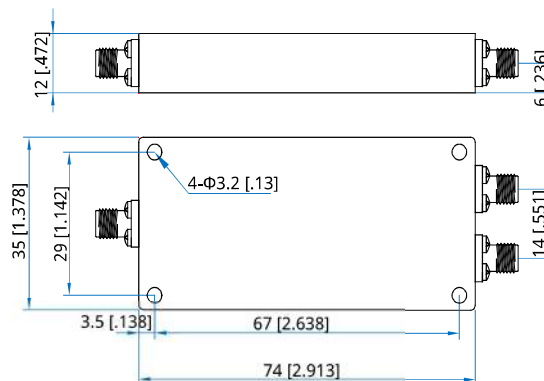
N - N Female (Outline B)

Examples:

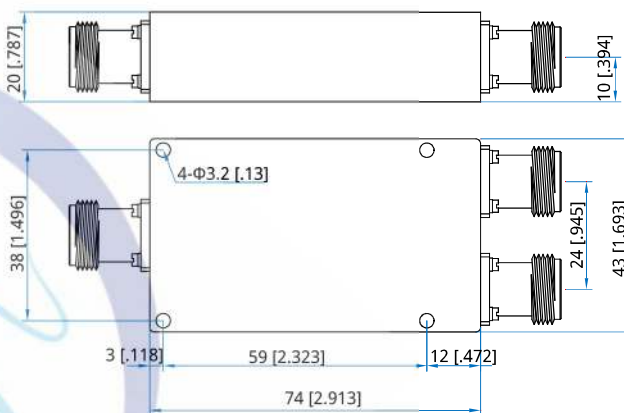
To order a 2-way power divider, 0.5~8GHz, 30W, N female, specify NPD2-500-8000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-500-18000

2-Way, 0.5~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.5~18GHz
Insertion Loss:	1.2dB max. (SMA) 1.5dB max. (N)
Input VSWR:	1.6 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

Mounting:	4-Φ2.3mm through-hole (SMA) 4-Φ3.2mm through-hole (N)
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Environmental

Operation Temperature:	-45~+85°C
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How To Order

NPD2-500-18000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

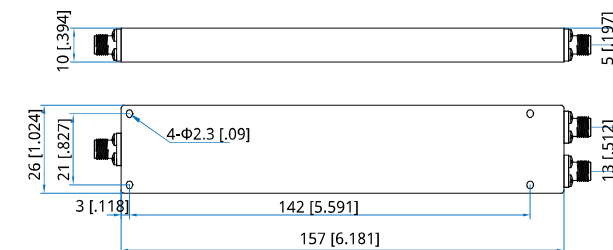
N - N Female (Outline B)

Examples:

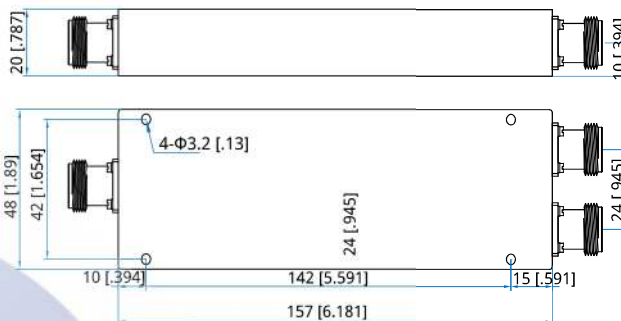
To order a 2-way power divider, 0.5~8GHz, 20W, N female, specify NPD2-500-18000-20-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD2-555-3400-30-N

2-Way, 0.555~3.4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.555~3.4GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

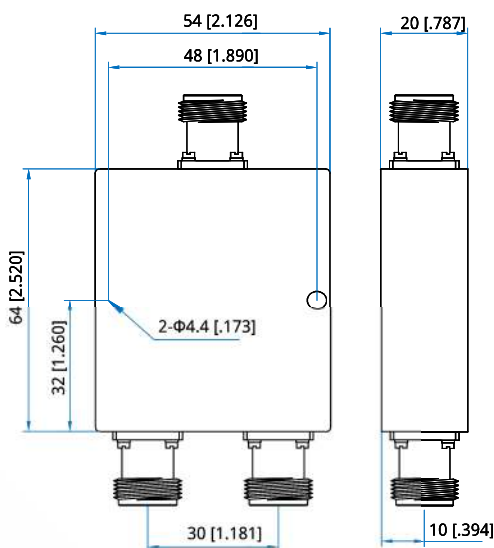
Size*1:	64*54*20mm 2.52*2.126*0.787in
Weight:	250g
Connectors:	N Female
Mounting:	2-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-555-3400-30-N

Customization is available upon request.

NPD2-24000-43500-20-K

2-Way, 24~43.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	24~43.5GHz
Insertion Loss:	1.3dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.6 max.
Isolation:	16dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

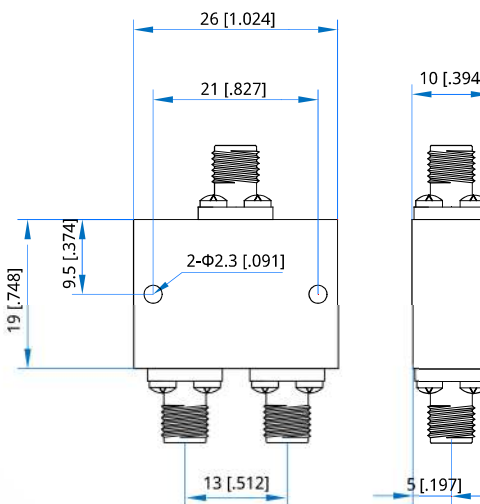
Size*1:	19*26*10mm 0.748*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-24000-43500-20-K

Customization is available upon request.

NPD2-24250-52600-20-V

2-Way, 24.25~52.6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

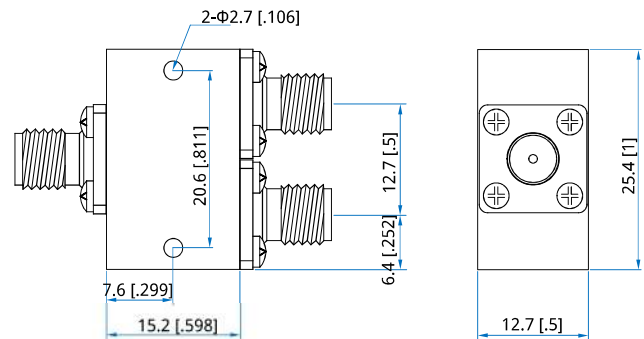
Frequency:	24.25~52.6GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.7 max.
Isolation:	17dB min.
Amplitude Balance:	±0.5dB max.
Phase Balance:	±5° max.
Impedance:	50Ω
Average Power:	20W

Mechanical

Size*1:	25.4*15.2*12.7mm 1*0.598*0.5in
Connectors:	1.85mm Female
Mounting:	2-Φ2.7mm through-hole

[1] Exclude connectors.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-24250-52600-20-V

Customization is available upon request.

NPD2-25500-25600-1-K

2-Way, 25.5~25.6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	25.5~25.6GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	±0.3dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	1W

Mechanical

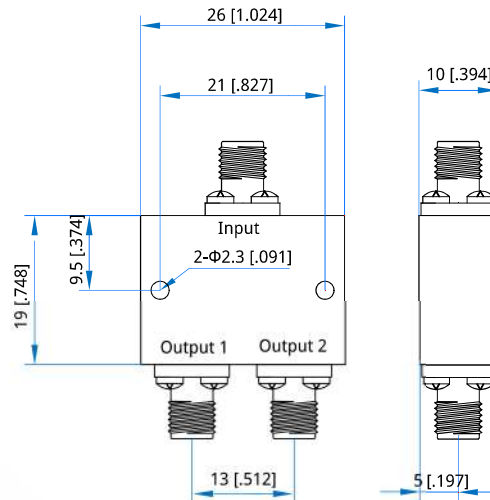
Size*1:	19*26*10mm 0.748*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-25500-25600-1-K

Customization is available upon request.

NPD2-26000-31000-20-K

2-Way, 26~31GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	26~31GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

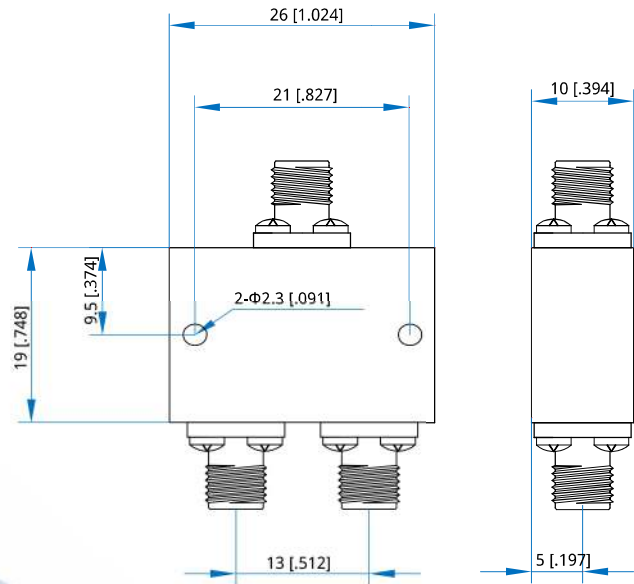
Size ^[1] :	26*19*10mm 1.024*0.748*0.394in
Weight:	21g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2- Φ 2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.3 mm [± 0.012 in]

How To Order

NPD2-26000-31000-20-K

Customization is available upon request.

NPD2-26000-40000-20-K

2-Way, 26~40GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	26~40GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

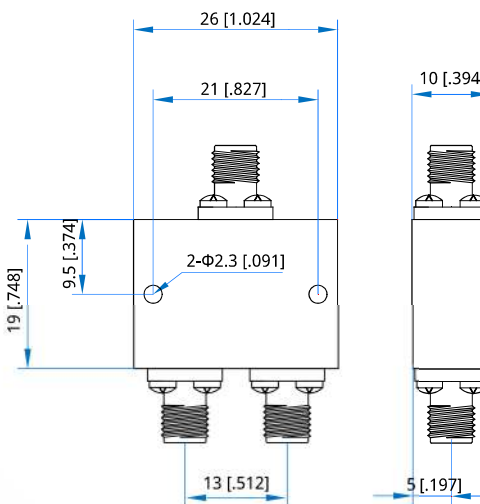
Size*1:	19*26*10mm 0.748*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-26000-40000-20-K

Customization is available upon request.

NPD2-27000-52000-10-2

2-Way, 27~52GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	27~52GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.8 max.
Output VSWR:	1.8 max.
Isolation:	14dB min.
Amplitude Balance:	±0.6dB
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	10W max. 1W max. as combiner

Mechanical

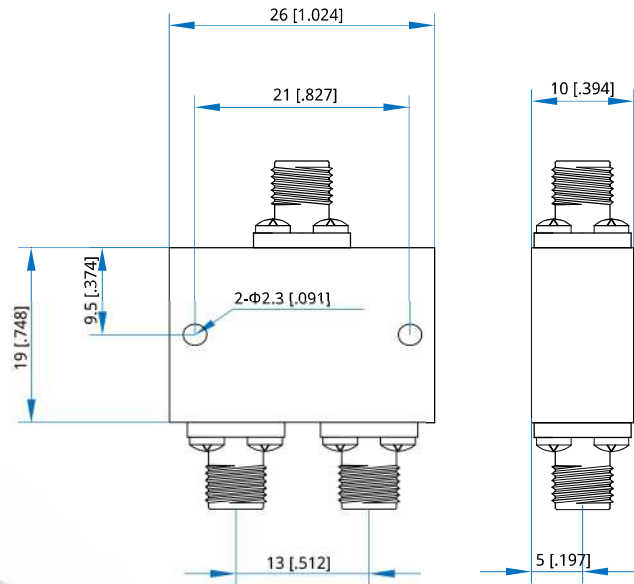
Size ^[1] :	26*19*10mm 1.024*0.748*0.394in
Weight:	28g
Connectors:	2.4mm Female (Stainless steel)
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NPD2-27000-52000-10-2

Customization is available upon request.

NPD2-600-2000

2-Way, 0.6~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.6~2GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

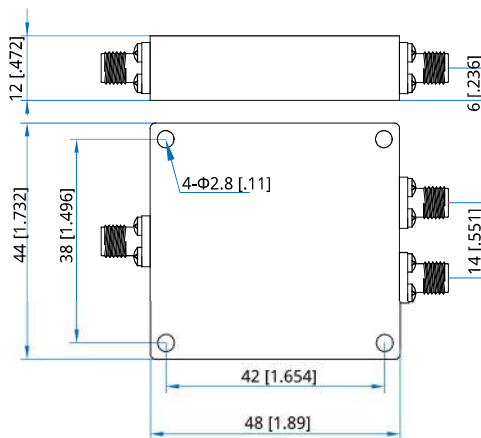
Size*1:	48*44*12mm 1.89*1.732*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-600-2000

Customization is available upon request.

NPD2-600-6000

2-Way, 0.6~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.6~6GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB (SMA) 0.2dB max. (N)
Phase Balance:	±2° (SMA) ±3° (N)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ2.8mm through-hole (SMA) 4-Φ3.4mm through-hole (N)
-----------	--

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

How To Order

NPD2-600-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

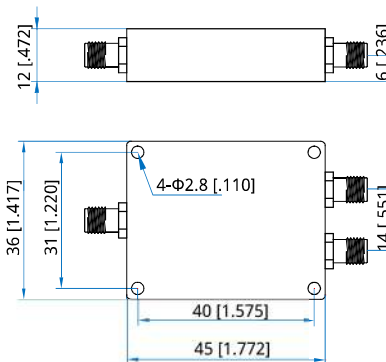
N - N Female (Outline B)

Examples:

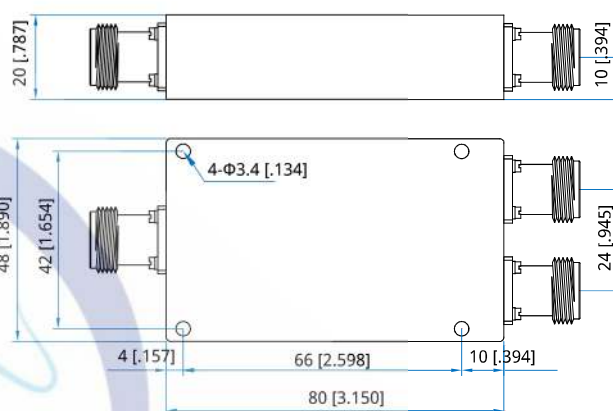
To order a 2-way power divider, 0.6~6GHz, 30W, N female, specify NPD2-600-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD2-698-4000-50-4

2-Way, 0.698~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.698~4GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 3W max. as combiner

Mechanical

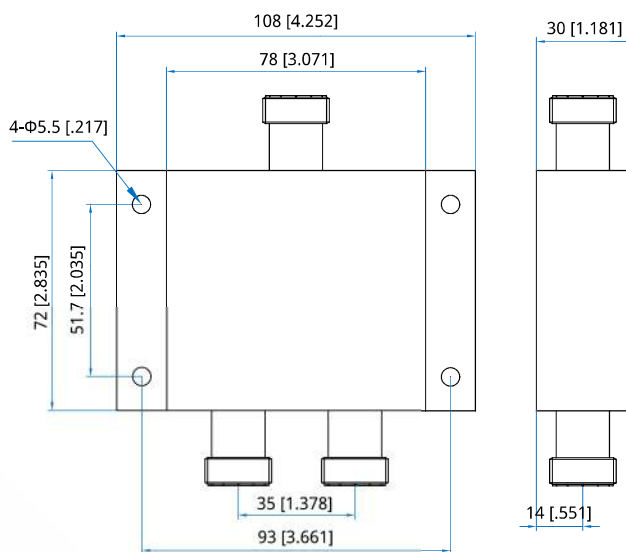
Size*1:	108*72*30mm 4.252*2.835*0.181in
Weight:	350g
Connectors:	4.3-10 Female
Mounting:	4- Φ 5.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-698-4000-50-4

Customization is available upon request.

NPD2-700-2700-30-S

2-Way, 0.7~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~2.7GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

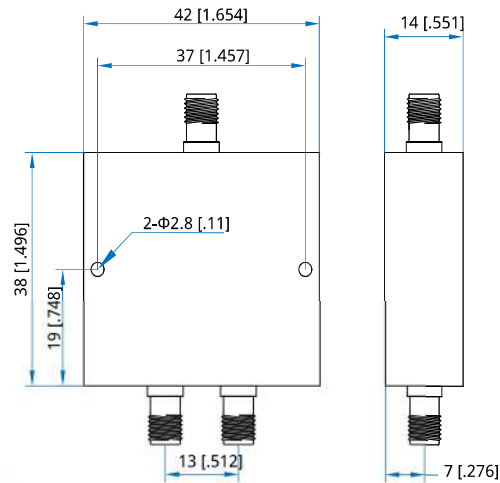
Size*1:	38*42*14mm 1.496*1.654*0.551in
Weight:	53g
Connectors:	SMA Female
Mounting:	2- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-700-2700-30-S

Customization is available upon request.

NPD2-700-2700-K2

2-Way, 0.7~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~2.7GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

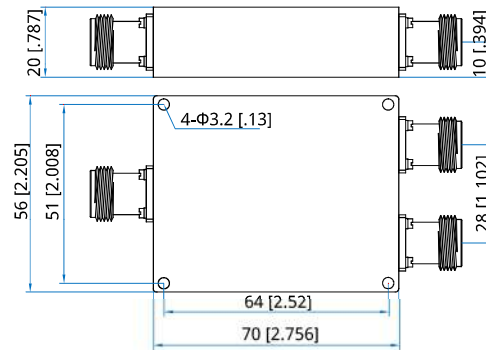
Size*1:	70*56*20mm 2.756*2.205*0.787in
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-700-2700-K2

Customization is available upon request.

NPD2-700-4000

2-Way, 0.7~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~4GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

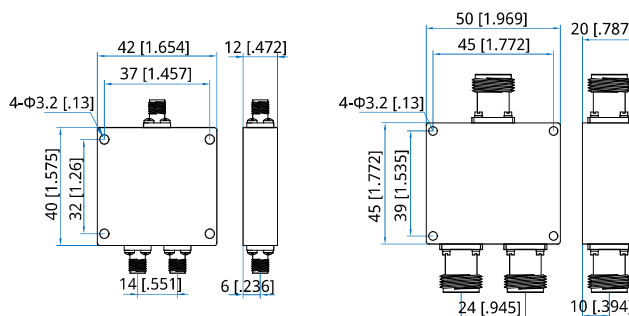
Mechanical

Mounting: 4-Φ3.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-700-4000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 0.7~4GHz, 30W, N female, specify NPD2-700-4000-30-N.

Customization is available upon request.

NPD2-700-4700

2-Way, 0.7~4.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~4.7GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

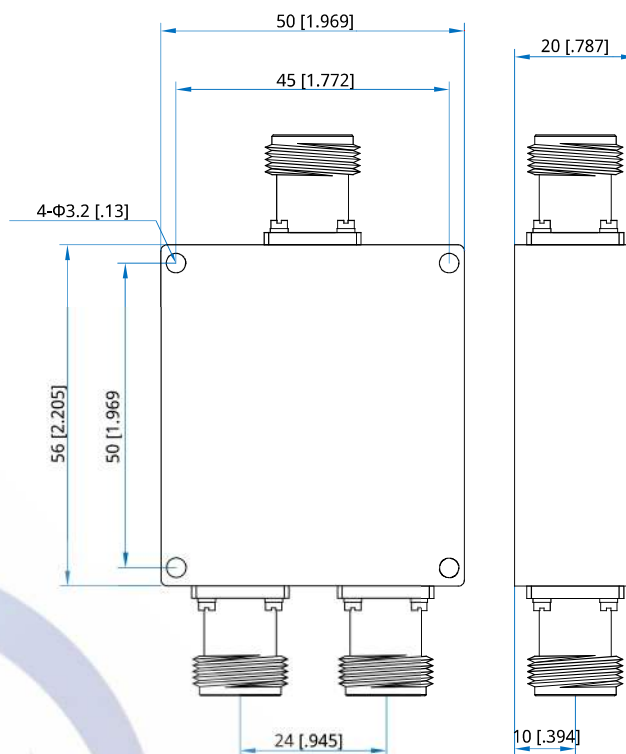
Size*1:	56*50*20mm 2.205*1.969*0.787in
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-700-4700

Customization is available upon request.

NPD2-700-5000

2-Way, 0.7~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~5GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

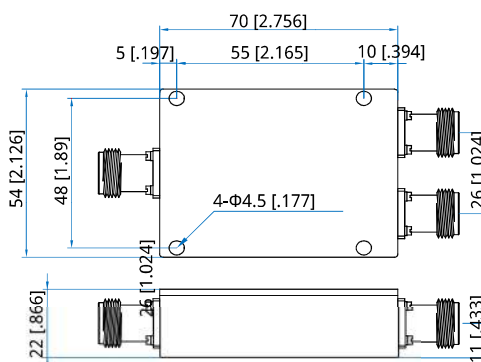
Size*1:	70*54*22mm 2.756*2.216*0.866in
Connectors:	N Female
Mounting:	4-Φ4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-700-5000

Customization is available upon request.

NPD2-700-6000-30-S

2-Way, 0.7~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~6GHz
Insertion Loss:	1dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

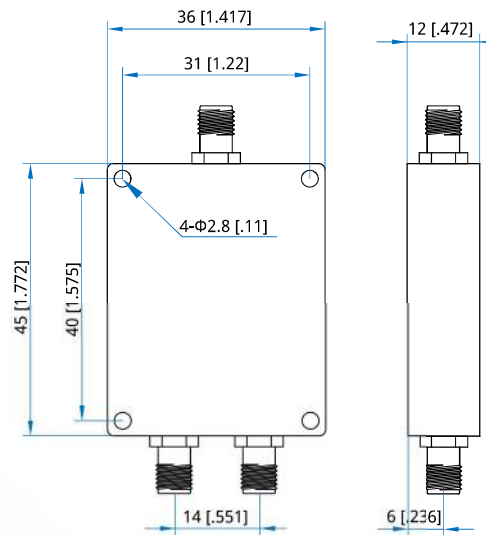
Size*1:	45*36*12mm 1.772*1.417*0.472in
Weight:	45g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-700-6000-30-S

Customization is available upon request.



2-Way Power Divider/Combiner

NPD2-700-8000-K1-N

2-Way, 0.7~8GHz, 100W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~8GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	± 0.2 dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

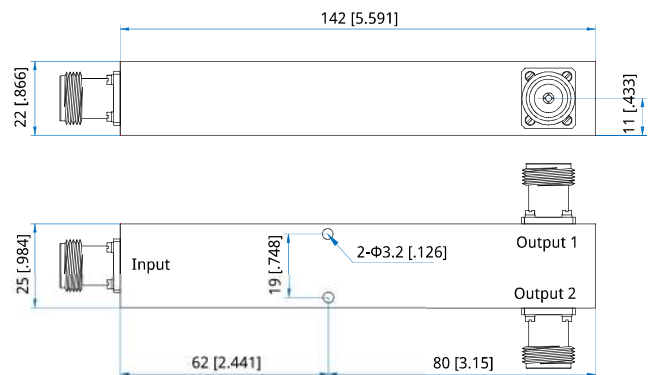
Size*1:	142*25*22mm 5.591*0.984*0.866in
Weight:	300g
Connectors:	N Female
Mounting:	2- $\Phi 3.2$ mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-20~+60°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-700-8000-K1-N

Customization is available upon request.

NPD2-700-9000-20-S

2-Way, 0.7~9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.7~9GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

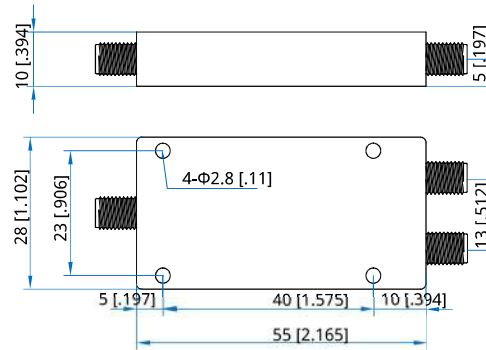
Size*1:	55*28*10mm 1.265*1.102*0.394in
Weight:	80g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-700-9000-20-S

Customization is available upon request.

NPD2-800-1880

2-Way, 0.8~1.88GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~1.88GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	25dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	2°
Impedance:	50Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

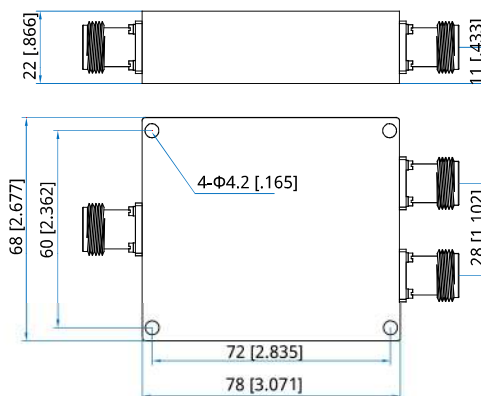
Size*1:	78*68*22mm 3.071*2.677*0.866in
Connectors:	N Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-30~+70°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-800-1880

Customization is available upon request.

NPD2-800-2500

2-Way, 0.8~2.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~2.5GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	3° max.
Impedance:	50Ω
Average Power:	200W max. 10W max. as combiner (N)

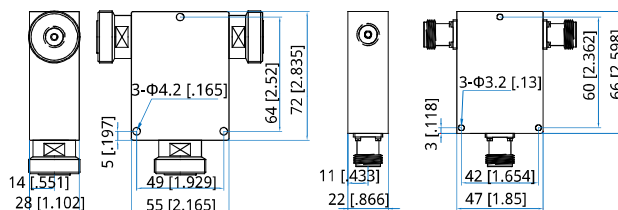
Mechanical

Mounting:	3-Φ4.2mm through-hole (7/16 DIN)
Mounting:	3-Φ3.2mm through-hole (N)

Environmental

Operation Temperature:	-30~+70°C
------------------------	-----------

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-800-2500-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

7 - 7/16 DIN Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 0.8~2.5GHz, 200W, N female, specify NPD2-800-2500-K2-N.

Customization is available upon request.

NPD2-800-2500-S

2-Way, 0.8~2.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~2.5GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

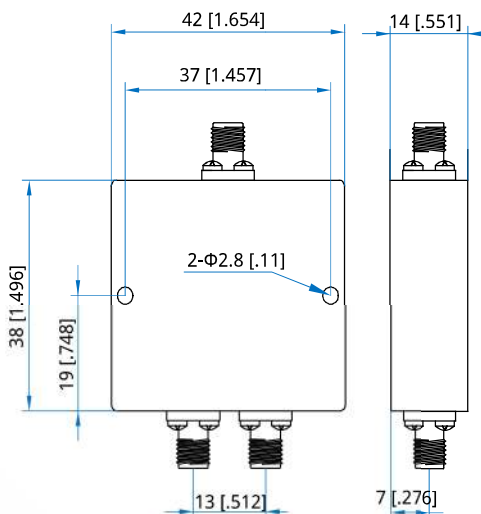
Size*1:	38*42*14mm 1.496*1.654*0.551in
Connectors:	SMA Female
Mounting:	2- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-800-2500-S

Customization is available upon request.

NPD2-800-2700-30-S

2-Way, 0.8~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~2.7GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±3° max.
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

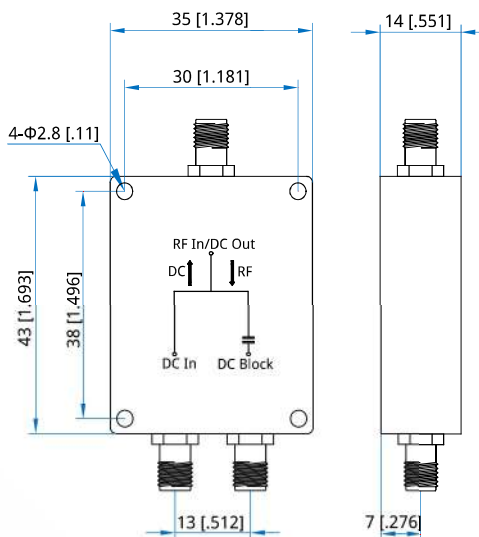
Size*1:	35*43*14mm 1.378*1.693*0.551in
Weight:	48g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-800-2700-30-S

Customization is available upon request.

NPD2-800-2700-50-N

2-Way, 0.8~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~2.7GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 2W max. as combiner

Mechanical

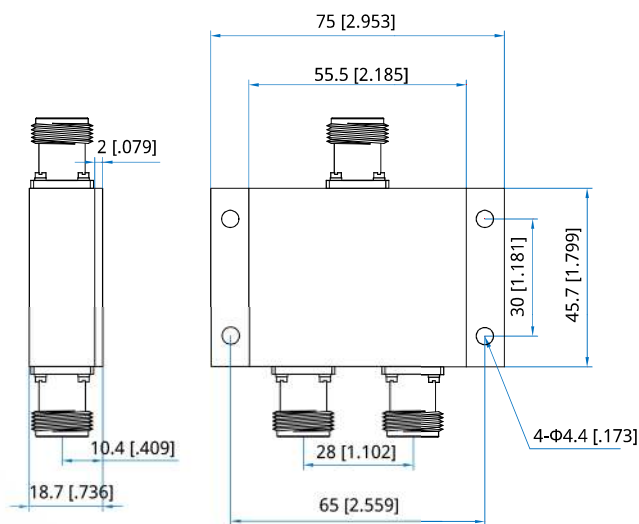
Size*1:	45.7*75*18.7mm 1.799*2.953*0.736in
Weight:	138g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-800-2700-50-N

Customization is available upon request.

NPD2-800-3000

2-Way, 0.8~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~3GHz
Insertion Loss:	0.5dB max. (SMA) 0.6dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	3° max.
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

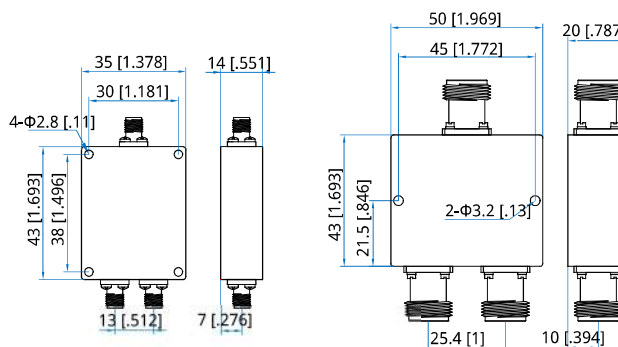
Mechanical

Mounting:	4-Φ2.8mm through-hole (SMA)
Mounting:	2-Φ3.2mm through-hole (N)

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-800-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 0.8~3GHz, 30W, N female, specify NPD2-800-3000-30-N.

Customization is available upon request.

NPD2-800-3800

2-Way, 0.8~3.8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~3.8GHz
Insertion Loss:	0.9dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
IP Grade:	IP67
Impedance:	50Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

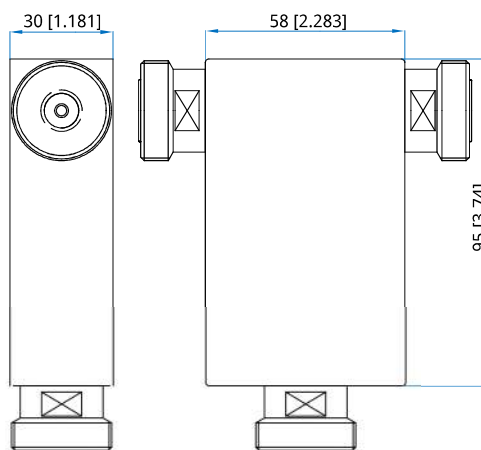
Size*1:	95*58*30mm 3.74*2.283*1.181in
RF Connectors:	7/16 DIN Female

[1] Exclude connectors.

Environmental

Operation Temperature:	-30~+70°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-800-3800

Customization is available upon request.

NPD2-800-4000

2-Way, 0.8~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.8~4GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	3° max.
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

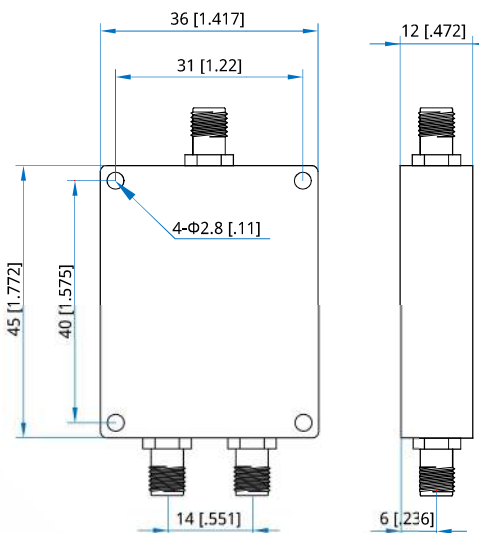
Size*1:	45*36*12mm 1.772*1.417*0.472in
RF Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-800-4000

Customization is available upon request.

NPD2-950-2150-DC

2-Way, 0.95~2.15GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	0.95~2.15GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner
Voltage:	+24V DC
Current:	3A

Mechanical

Mounting: 4- Φ 4.4mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-950-2150-X-Y-DC

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA female (Outline A)

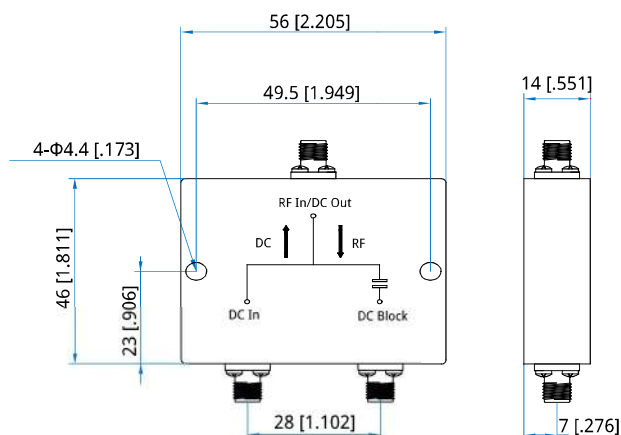
N - N female (Outline B)

Examples:

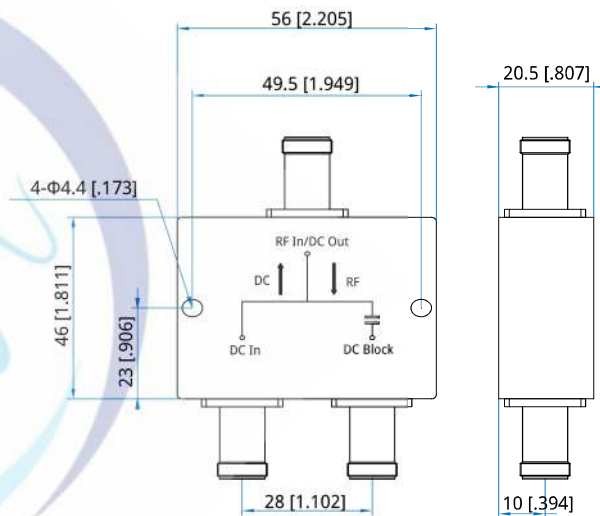
To order a 2-Way Power Divider/Combiner, 0.95~2.15GHz, 30W, SMA Female, specify NPD2-950-2150-30-S-DC.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-1000-2000

2-Way, 1~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~2GHz
Insertion Loss:	0.3dB max. (SMA) 0.35dB max. (N)
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

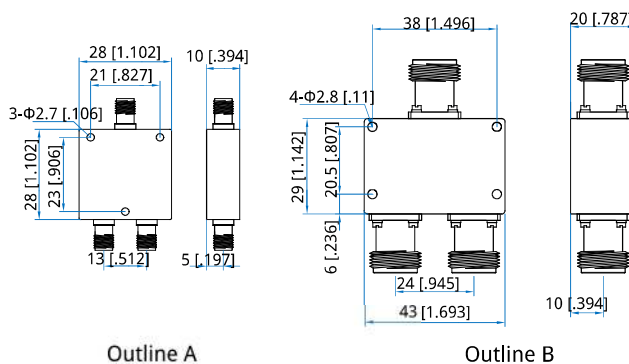
Mechanical

Mounting:	4- Φ 2.7mm through-hole (SMA)
Mounting:	4- Φ 2.8mm through-hole (N)

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1000-2000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 1~2GHz, 30W, N female, specify NPD2-1000-2000-30-N.

Customization is available upon request.

NPD2-1000-2500-30-N

2-Way, 1~2.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~2.5GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

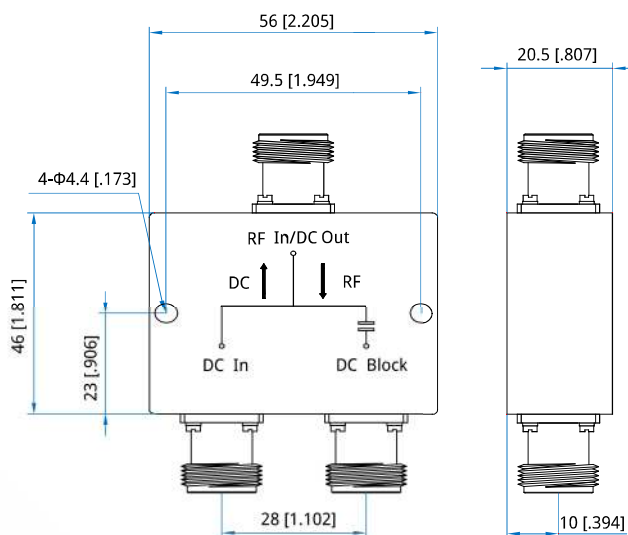
Size*1:	56*46*20.5mm 2.205*1.811*0.807in
Power Supply:	DC
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-1000-2500-30-N

Customization is available upon request.

NPD2-1000-3000-30-S

2-Way, 1~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~3GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

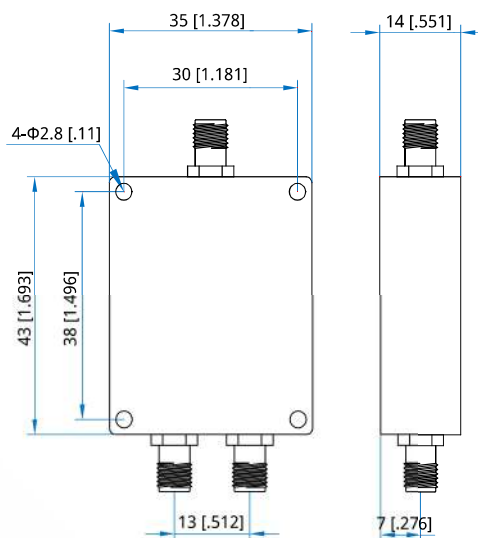
Size*1:	43*35*14mm 4.724*4.646*0.394in
Weight:	48g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1000-3000-30-S

Customization is available upon request.

NPD2-1000-4000-30-S

2-Way, 1~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~4GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

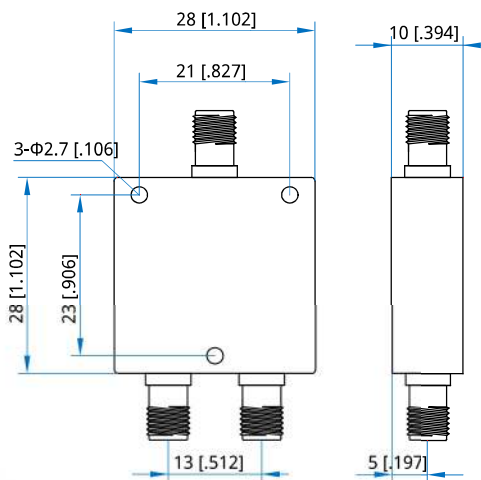
Size*1:	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-1000-4000-30-S

Customization is available upon request.

NPD2-1000-4000-K2-N

2-Way, 1~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~4GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	16dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

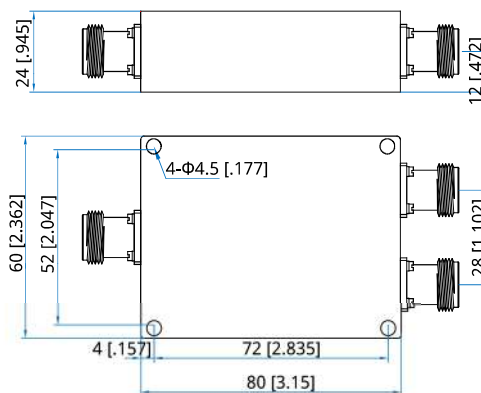
Size*1:	80*60*24mm 3.15*2.362*0.945in
Weight:	220g
Connectors:	N Female
Mounting:	4- Φ 4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1000-4000-K2-N

Customization is available upon request.

NPD2-1000-8000-30-S

2-Way, 1~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~8GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

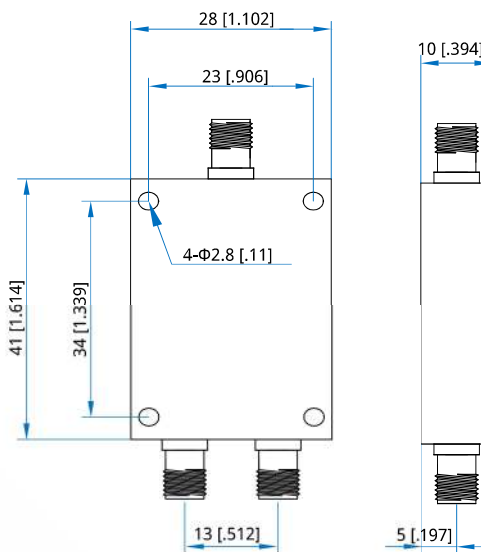
Size*1:	41*28*10mm 1.614*1.102*0.394in
Weight:	28g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1000-8000-30-S

Customization is available upon request.

NPD2-1000-9000

2-Way, 1~9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~9GHz
Insertion Loss:	1.4dB max. (SMA) 1.5dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

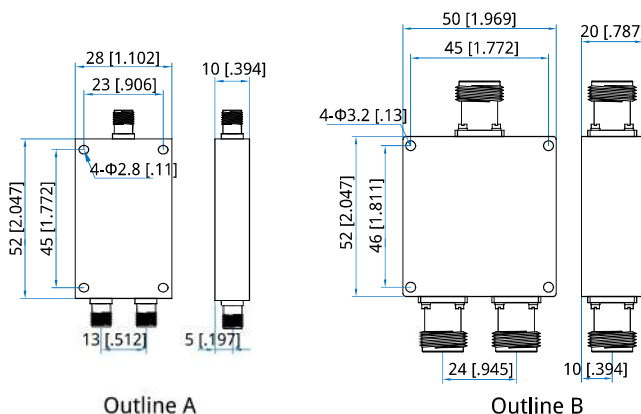
Mechanical

Mounting:	4- Φ 2.8mm through-hole (SMA)
Mounting:	4- Φ 3.2mm through-hole (N)

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-1000-9000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 1~9GHz, 30W, N female, specify NPD2-1000-9000-30-N.

Customization is available upon request.

NPD2-1000-12000-20-S

2-Way, 1~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~12GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

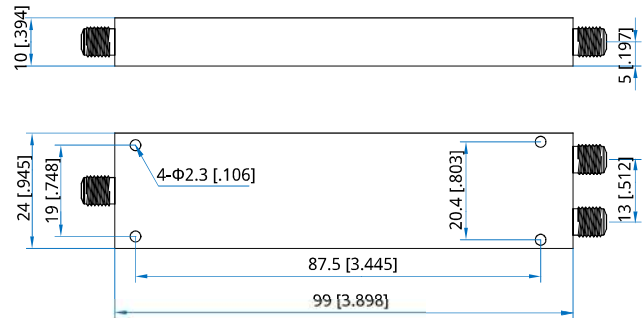
Size ^[1] :	99*24*10mm 3.898*0.945*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1000-12000-20-S

Customization is available upon request.

NPD2-1000-18000-20-S

2-Way, 1~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~18GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.4 max.
Isolation:	16dB min.
Amplitude Balance:	0.3dB
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max as combiner

Mechanical

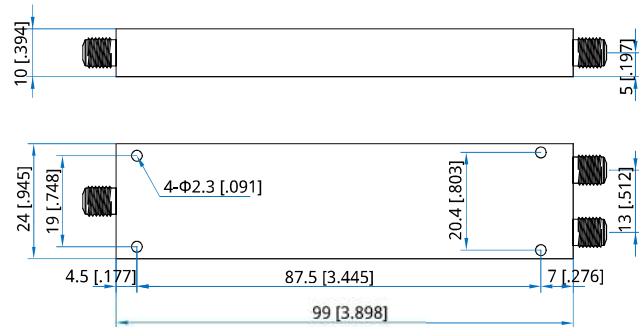
Size*1:	99*24*10mm 3.898*0.945*0.394in
Weight:	65g
Connectors:	SMA Female
Mounting:	4- Φ 2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1000-18000-20-S

Customization is available upon request.

NPD2-1000-26500

2-Way, 1~26.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1~26.5GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.6 max.
Isolation:	16dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

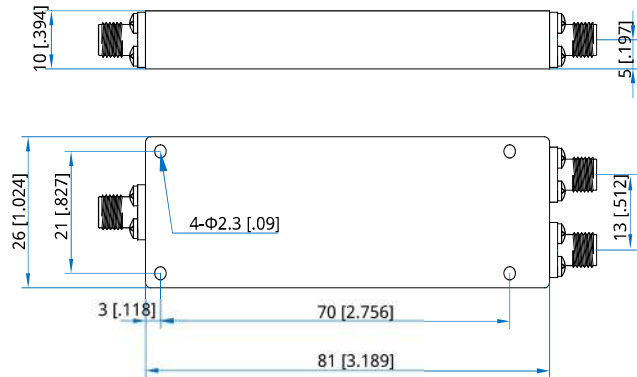
Size*1:	81*26*10mm 3.189*1.024*0.394in
Connectors:	SMA Female or 2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-1000-26500-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female

K - 2.92mm Female

Examples:

To order a 2-way power divider, 1~26.5GHz, 20W, 2.92mm female, specify NPD2-1000-26500-20-K.

Customization is available upon request.

NPD2-1100-1700

2-Way, 1.1~1.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1.1~1.7GHz
Insertion Loss:	0.3dB max. (SMA) 0.4dB max. (BNC)
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	3-Φ2.7mm through-hole (SMA) 4-Φ4.4mm through-hole (BNC)
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Environmental

Operation Temperature:	-35~+75°C
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How To Order

NPD2-1100-1700-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

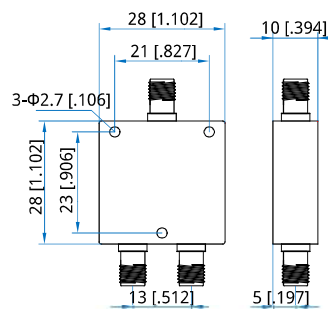
B - BNC Female (Outline B)

Examples:

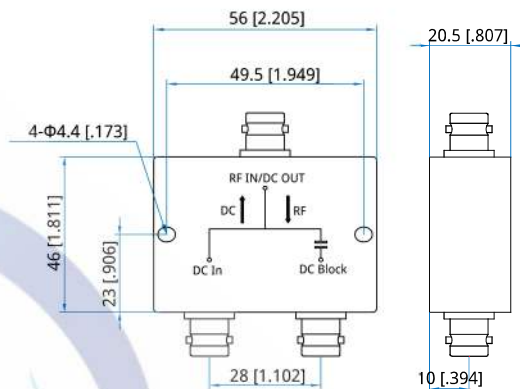
To order a 2-way power divider, 1.1~1.7GHz, 30W, SMA female, specify NPD2-1100-17000-30-S.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD2-1300-2400

2-Way, 1.3~2.4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1.3~2.4GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

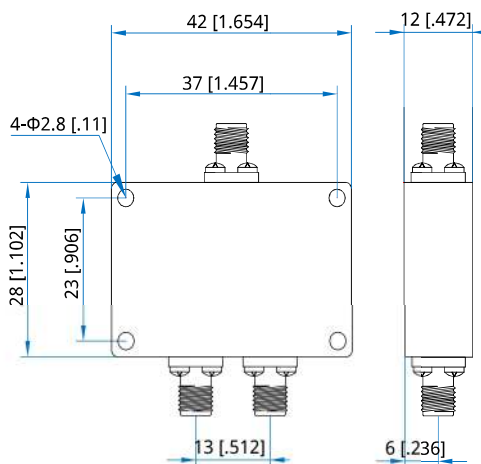
Size*1:	28*42*12mm 1.102*1.654*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-1300-2400

Customization is available upon request.

NPD2-1350-1450-20-S

2-Way, 1.35~1.45GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1.35~1.45GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	30dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

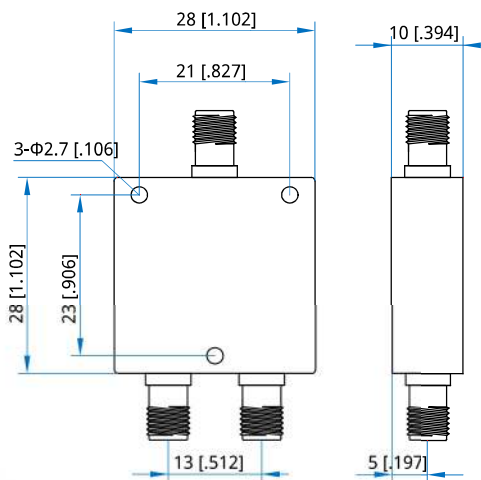
Size*1:	28*28*10mm 1.102*1.102*0.394in
Weight:	21g
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1350-1450-20-S

Customization is available upon request.

NPD2-1700-5900-30-N

2-Way, 1.7~5.9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1.7~5.9GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

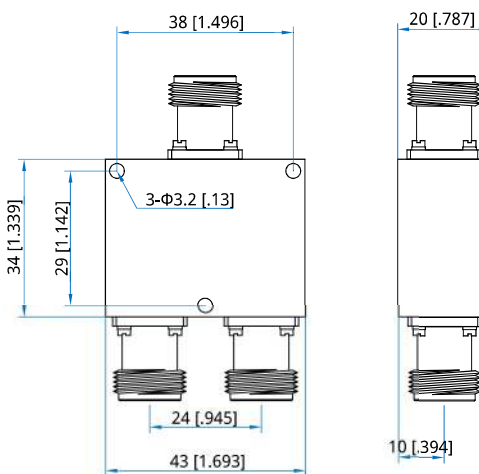
Size*1:	34*38*20mm 1.339*1.496*0.787in
Connectors:	N Female
Mounting:	3- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1700-5900-30-N

Customization is available upon request.

NPD2-1700-6000-50-S

2-Way, 1.7~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

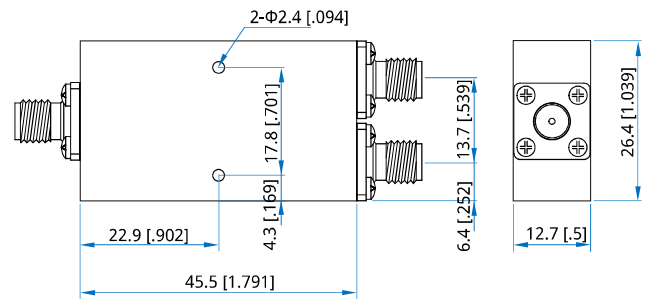
Frequency:	1.7~6GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	± 0.2 dB max.
Phase Balance:	$\pm 2^\circ$ max.
Impedance:	50 Ω
Average Power:	50W

Mechanical

Size*1:	45.5*26.4*12.7mm 1.791*1.039*0.5in
Connectors:	SMA Female
Mounting:	2- Φ 2.4mm through-hole

[1] Exclude connectors.

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-1700-6000-50-S

Customization is available upon request.

NPD2-1700-9000-30-S

2-Way, 1.7~9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	1.7~9GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

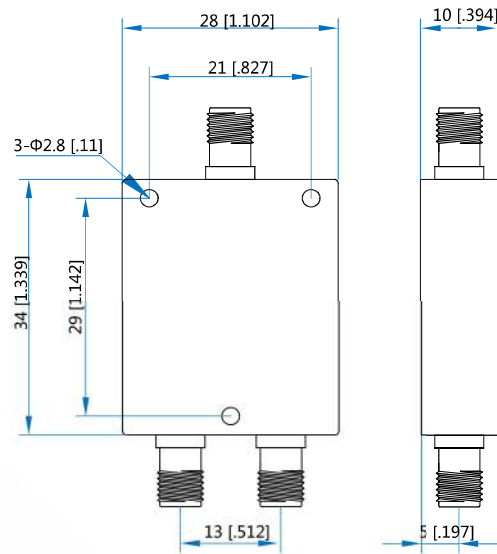
Size*1:	34*28*10mm 1.339*1.102*0.394in
Weight:	26g
Connectors:	SMA Female
Mounting:	3-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-1700-9000-30-S

Customization is available upon request.

NPD2-2000-23000-K1-S

2-Way, 2~2.3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~2.3GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	100W

Mechanical

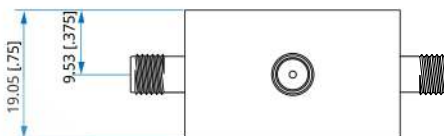
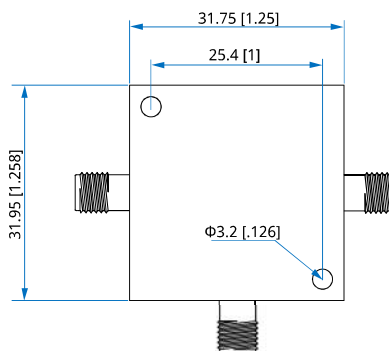
Size*1:	31.95*31.75*19.05mm 1.258*1.25*0.75in
Connectors:	SMA Female
Mounting:	2-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-40~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-2000-2300-K1-S

Customization is available upon request.

NPD2-2000-2400-30-N

2-Way, 2~2.4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~2.4GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

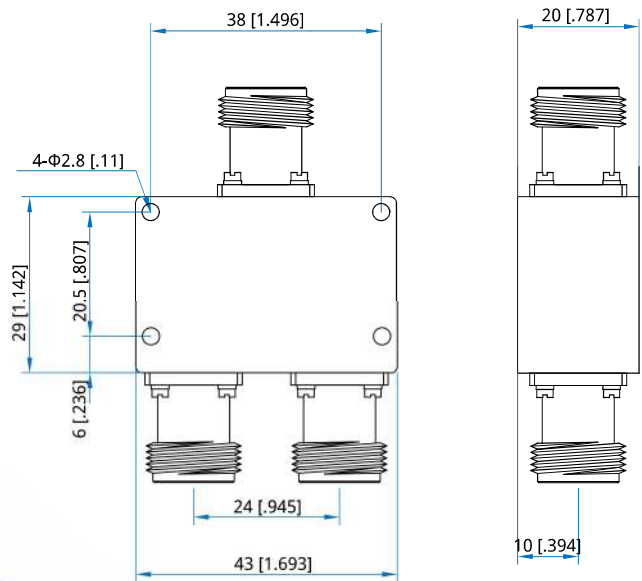
Size*1:	43*29*20mm 1.693*1.142*0.787in
Weight:	110g
Connectors:	N Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-2400-30-N

Customization is available upon request.

NPD2-2000-4000

2-Way, 2~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~4GHz
Insertion Loss:	0.5dB max. (SMA) 0.4dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4- Φ 2.8mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD2-2000-4000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

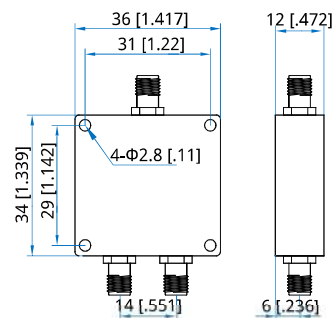
N - N Female (Outline B)

Examples:

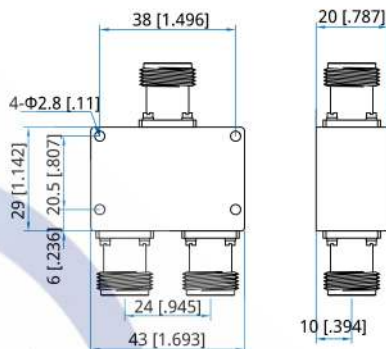
To order a 2-way power divider, 2~4GHz, 30W, N female, specify NPD2-2000-4000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD2-2000-4000-125-N

2-Way, 2~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~4GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	125W max. 10W max. as combiner

Mechanical

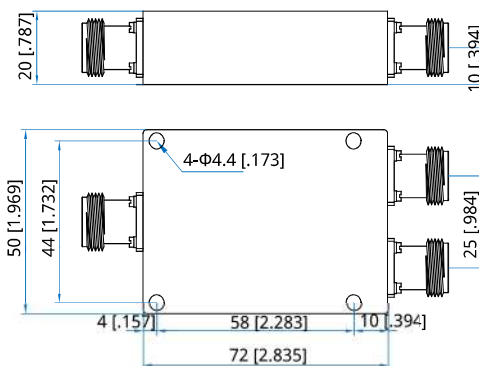
Size*1:	72*50*20mm 2.835*1.969*0.787in
Weight:	285g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-4000-125-N

Customization is available upon request.

NPD2-2000-4000-K3-N

2-Way, 2~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~4GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	300W max. 15W max. as combiner

Mechanical

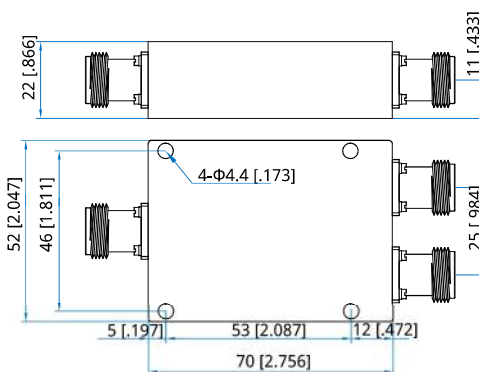
Size*1:	70*52*22mm 2.756*2.047*0.866in
Weight:	240g
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-4000-K3-N

Customization is available upon request.

NPD2-2000-6000

2-Way, 2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~6GHz
Insertion Loss:	0.5dB max. (SMA) 0.6dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max. (SMA) ± 0.2 dB (N)
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

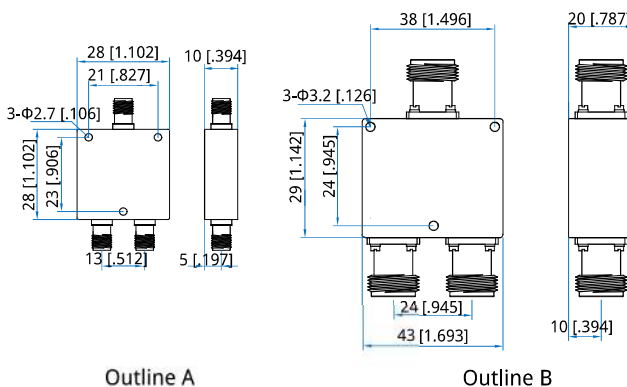
Mechanical

Mounting:	3- Φ 2.7mm through-hole (SMA) 3- Φ 3.2mm through-hole (N)
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Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 2~6GHz, 30W, N female, specify NPD2-2000-6000-30-N.

Customization is available upon request.

NPD2-2000-8000

2-Way, 2~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~8GHz
Insertion Loss:	0.6dB max. (SMA) 0.8dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min. (SMA) 18dB min. (N)
Amplitude Balance:	0.2dB max. (SMA) ± 0.2 dB (N)
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

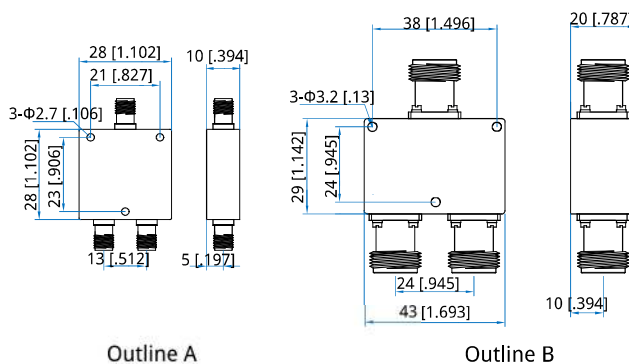
Mechanical

Mounting:	3- Φ 2.7mm through-hole (SMA) 3- Φ 3.2mm through-hole (N)
-----------	--

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-8000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 2~8GHz, 30W, N female, specify NPD2-2000-8000-30-N.

Customization is available upon request.

NPD2-2000-9000-30-S

2-Way, 2~9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~9GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

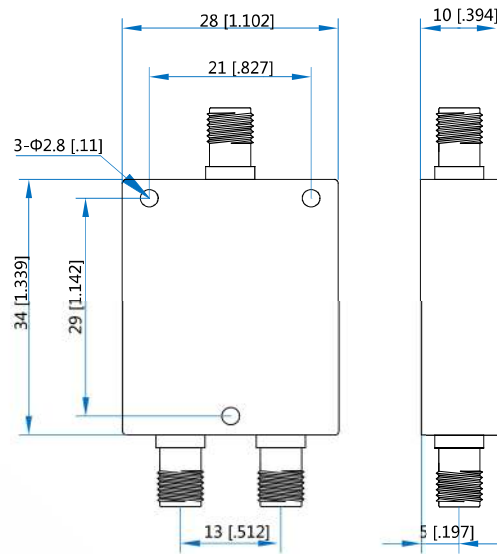
Size*1:	34*28*10mm 1.339*1.102*0.394in
Weight:	26g
Connectors:	SMA Female
Mounting:	3- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-9000-30-S

Customization is available upon request.

NPD2-2000-12000-20-S

2-Way, 2~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~12GHz
Insertion Loss:	1dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

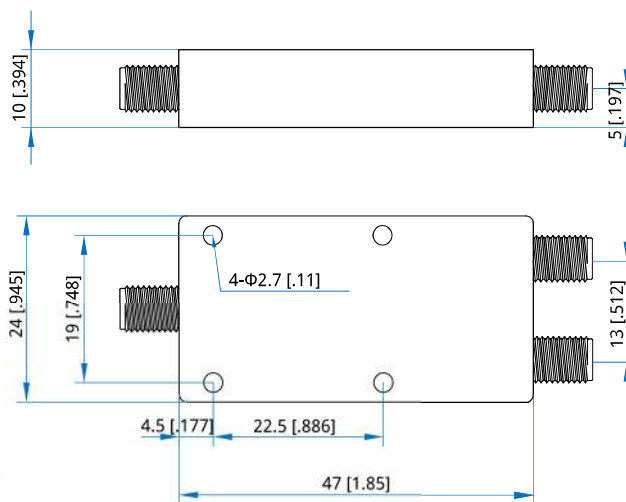
Size*1:	47*24*10mm 1.85*0.945*0.394in
Weight:	32g
Connectors:	SMA Female
Mounting:	4- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2000-12000-20-S

Customization is available upon request.

NPD2-2000-18000-20-S

2-Way, 2~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~18GHz
Insertion Loss:	1dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

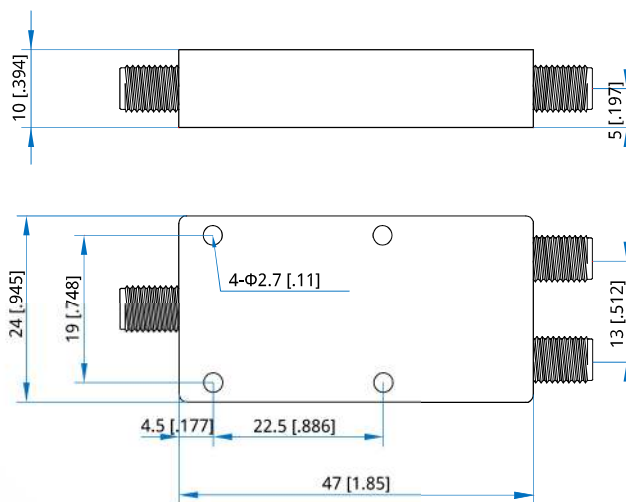
Size*1:	47*24*10mm 1.85*0.945*0.394in
Weight:	32g
Connectors:	SMA Female
Mounting:	4- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-2000-18000-20-S

Customization is available upon request.

NPD2-2000-40000-20-K

2-Way, 2~40GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2~40GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.8 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

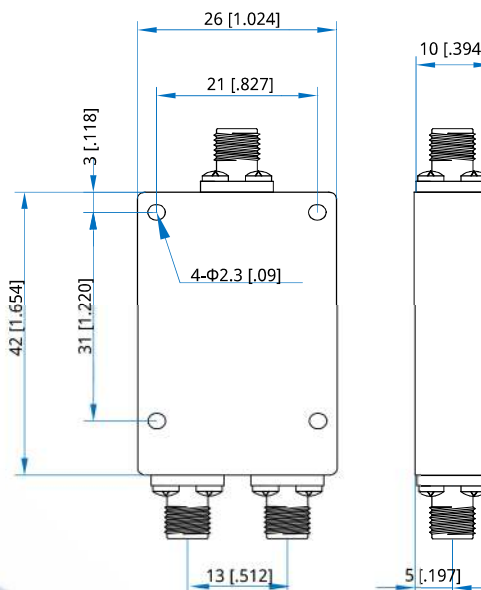
Size*1:	42*26*10mm 1.654*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-2000-40000-20-K

Customization is available upon request.

NPD2-2400-2500-K2-S

2-Way, 2.4~2.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2.4~2.5GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	30dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

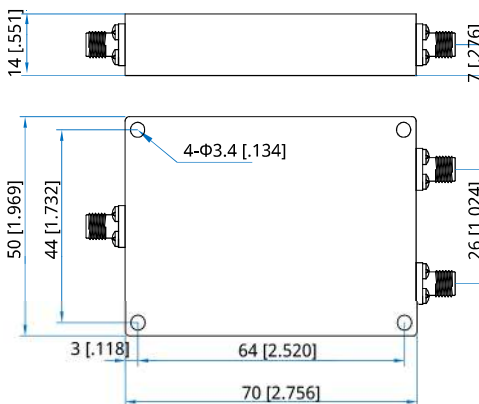
Size*1:	70*50*14mm 2.756*1.969*0.551in
Weight:	110g
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-2400-2500-K2-S

Customization is available upon request.

NPD2-2400-2500-K3-S

2-Way, 2.4~2.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2.4~2.5GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	30dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	300W max. 15W max. as combiner

Mechanical

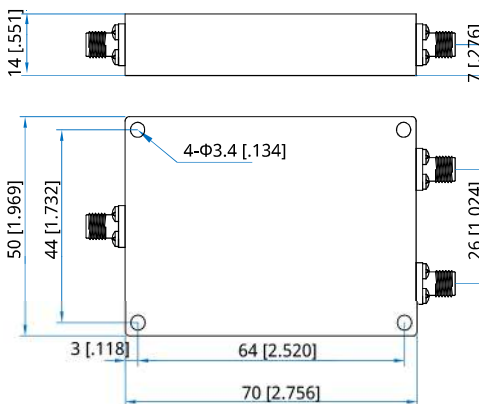
Size*1:	70*50*14mm 2.756*1.969*0.551in
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-2400-2500-K3-S

Customization is available upon request.

NPD2-2500-4000-K2-N

2-Way, 2.5~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	2.5~4GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	200W max. 20W max. as combiner

Mechanical

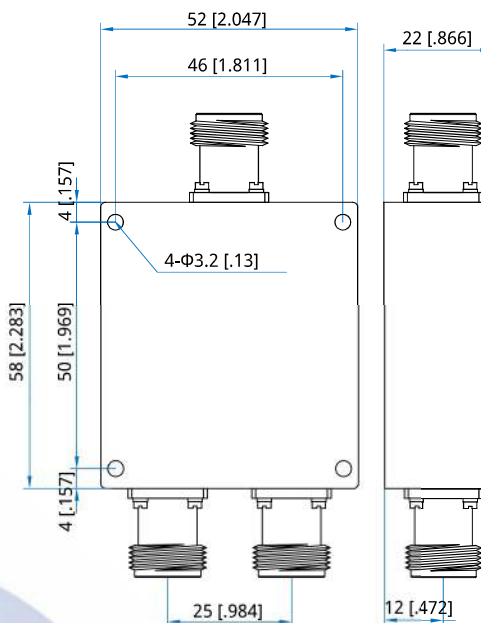
Size*1:	58*52*22mm 2.283*2.047*0.866in
Weight:	280g
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-2500-4000-K2-N

Customization is available upon request.

NPD2-3000-6000-30-S

2-Way, 3~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	3~6GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

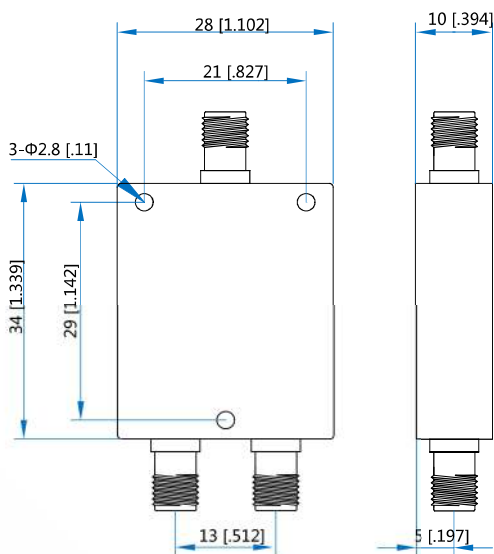
Size*1:	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female
Mounting:	3- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]
Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-3000-6000-30-S

Customization is available upon request.

NPD2-3000-8000-30-S

2-Way, 3~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	3~8GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.1dB max.
Phase Balance:	$\pm 1^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

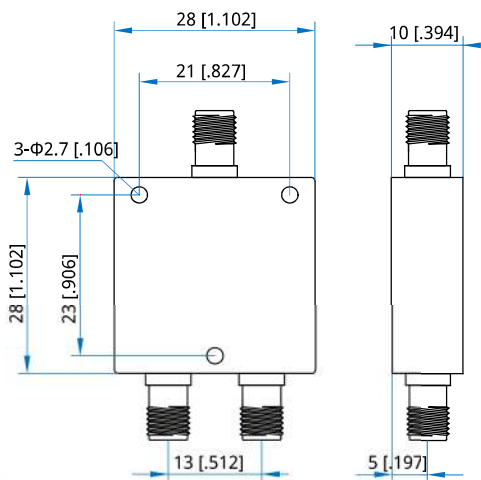
Size*1:	28*28*10mm 1.102*1.102*0.394in
Weight:	21g
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-3000-8000-30-S

Customization is available upon request.

NPD2-3000-13000-5-S

2-Way, 3~13GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	3~13GHz
Insertion Loss:	1.2dB max.
Isolation:	18dB min.
VSWR:	1.5 max.
Amplitude Balance:	±0.3dB max.
Phase Balance:	±5° max.
Impedance:	50Ω
Average Power:	5W max. 1W max. as combiner

Mechanical

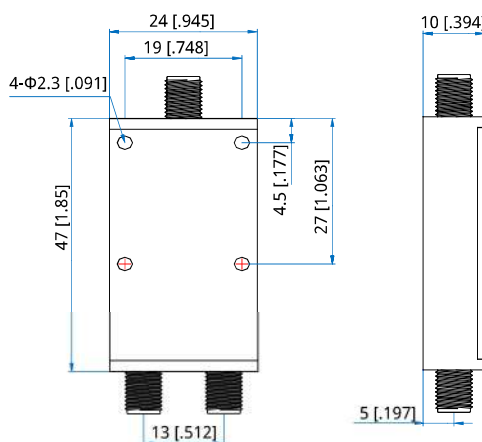
Size*1:	47*24*10mm 1.85*0.945*0.394in
Weight:	120g typ.
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-40~+80°C
Non-operating Temperature:	-45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-3000-13000-5-S

Customization is available upon request.

NPD2-3400-3800-30-N

2-Way, 3.4~3.8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	3.4~3.8GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

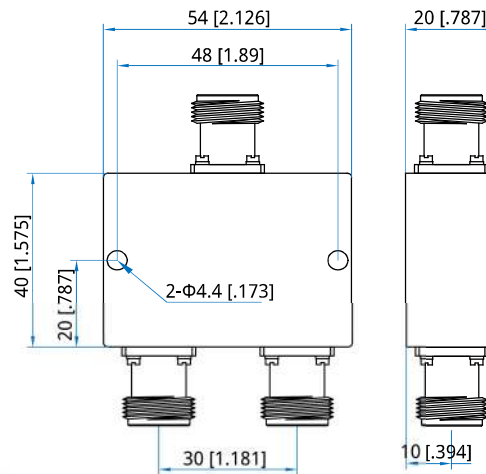
Size*1:	40*54*20mm 1.575*2.126*0.866in
Weight:	150g
Connectors:	N Female
Mounting:	2-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-3400-3800-30-N

Customization is available upon request.

NPD2-3400-3800-K1-N

2-Way, 3.4~3.8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	3.4~3.8GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

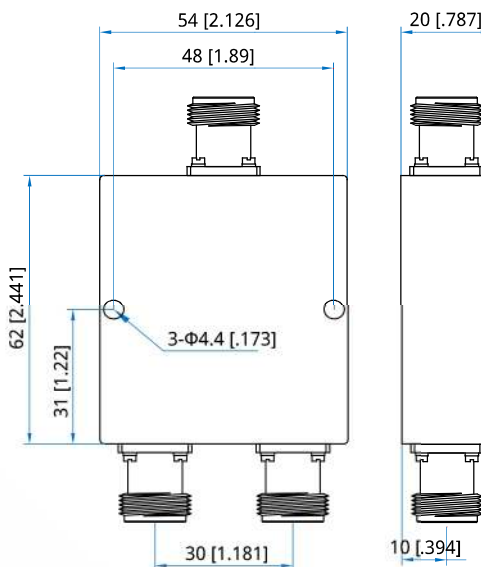
Size*1:	62*54*20mm 2.441*2.126*0.787in
Weight:	190g
Connectors:	N Female
Mounting:	2-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-3400-3800-K1-N

Customization is available upon request.

NPD2-4000-5000-30-S

2-Way, 4~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	4~5GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

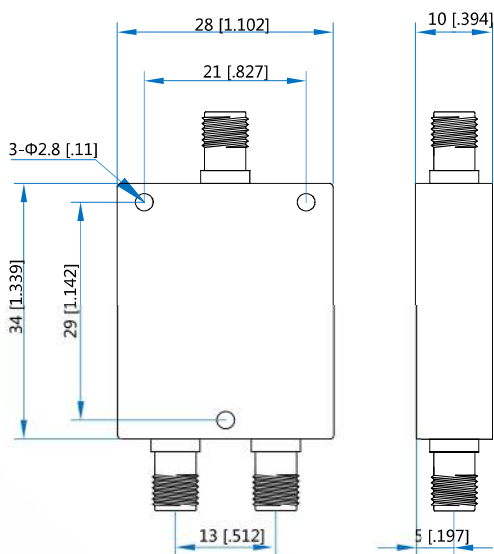
Size*1:	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female
Mounting:	3- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]
Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-4000-5000-30-S

Customization is available upon request.

NPD2-4000-6000

2-Way, 4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	4~6GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.20 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

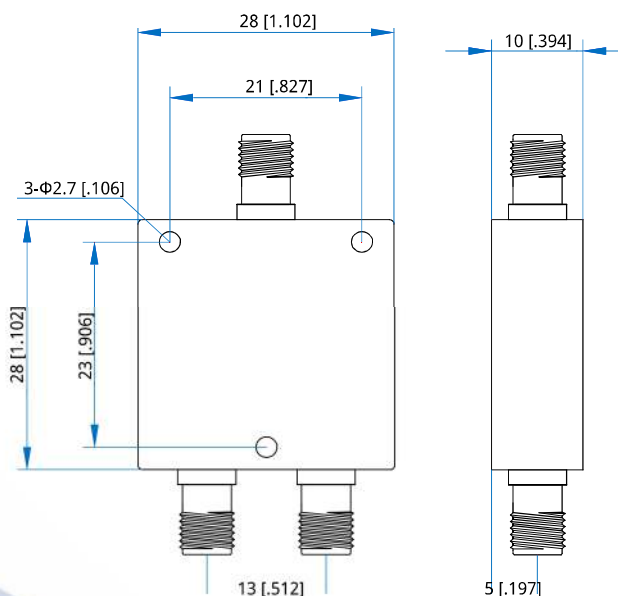
Size*1:	10*28*28mm 0.394*1.102*1.102in
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-4000-6000

Customization is available upon request.

NPD2-4000-8000

2-Way, 4~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	4~8GHz
Insertion Loss:	0.3dB max. (SMA) 0.5dB max. (N)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

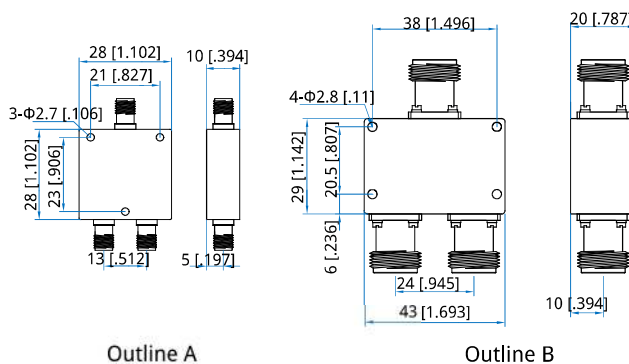
Mechanical

Mounting:	3- Φ 2.7mm through-hole (SMA) 4- Φ 2.8mm through-hole (N)
-----------	--

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Outline A

Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-4000-8000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

Examples:

To order a 2-way power divider, 4~8GHz, 30W, N female, specify NPD2-4000-8000-30-N.

Customization is available upon request.

NPD2-4000-12000-20-S

2-Way, 4~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	4~12GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

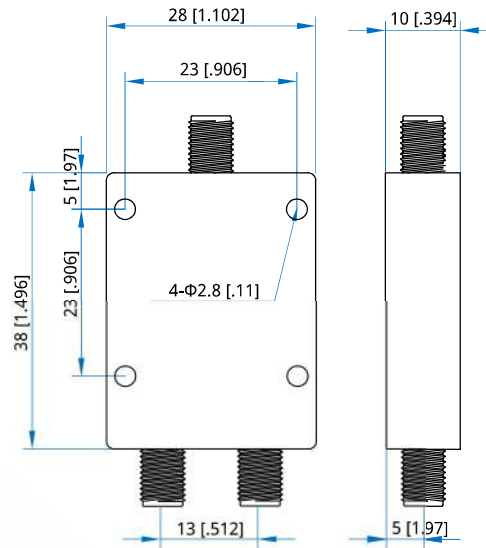
Size*1:	38*28*10mm 1.496*1.102*0.394in
Weight:	38g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-4000-12000-20-S

Customization is available upon request.

NPD2-4900-5900

2-Way, 4.9~5.9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	4.9~5.9GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

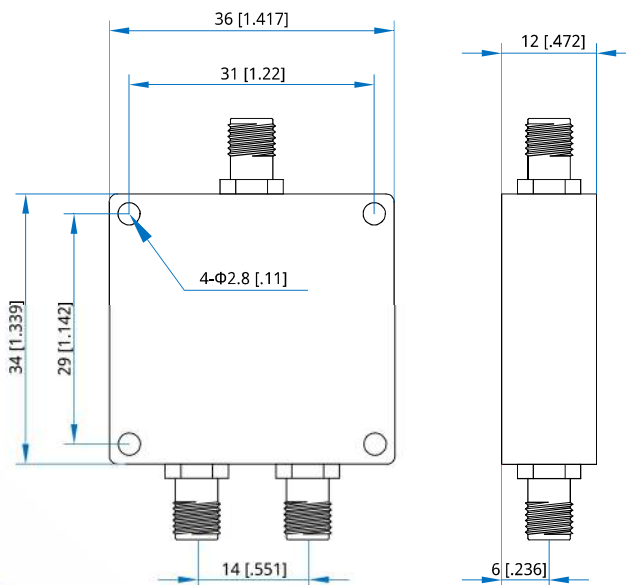
Size*1:	12*34*36mm 0.472*1.339*1.417in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-4900-5900

Customization is available upon request.

NPD2-5000-6000-K2-N-IP65

2-Way, 5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	5~6GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
IP Grade:	IP65
Impedance:	50 Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

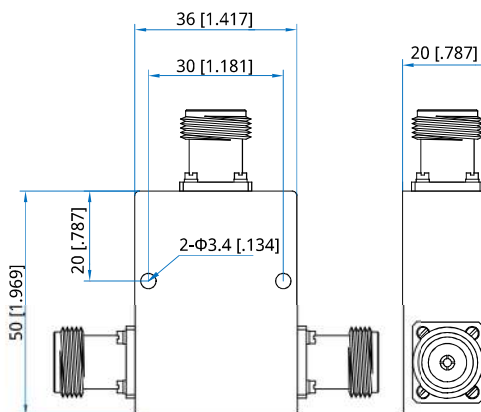
Size ^[1] :	50*36*20mm 1.969*1.417*0.787in
Weight:	80g
Connectors:	N Female
Mounting:	2- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-30~+60°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-5000-6000-K2-N-IP65

Customization is available upon request.

NPD2-5000-12000-20-S

2-Way, 5~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	5~12GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

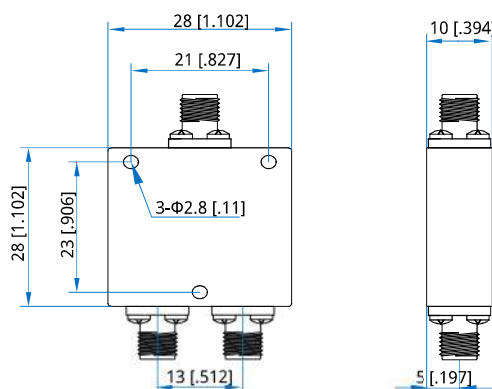
Size*1:	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female
Mounting:	3- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-5000-12000-20-S

Customization is available upon request.

NPD2-5150-5850-50-N

2-Way, 5.15~5.85GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	5.15~5.85GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	50W max. 3W max. as combiner

Mechanical

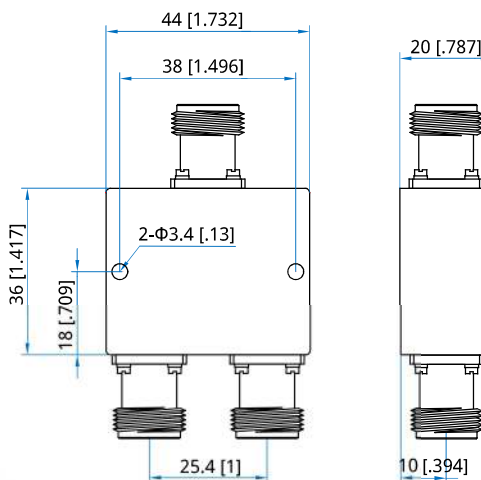
Size*1:	36*44*20mm 1.417*1.732*0.787in
Weight:	70g
Connectors:	N Female
Mounting:	2- $\Phi 3.4$ mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-30~+60°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-5150-5850-50-N

Customization is available upon request.

NPD2-5150-5850-K2-N

2-Way, 5.15~5.85GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	5.15~5.85GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	200W max. 10W max. as combiner

Mechanical

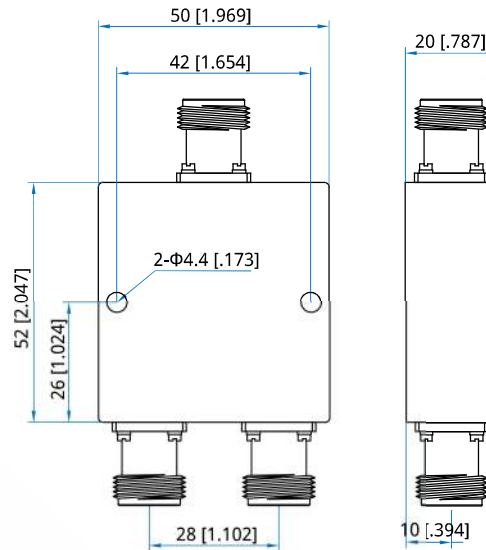
Size*1:	52*50*20mm 2.047*1.969*0.787in
Weight:	95g
Connectors:	N Female
Mounting:	2- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-30~+60°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-5150-5850-K2-N

Customization is available upon request.

NPD2-5200-5900-K1-S

2-Way, 5.2~5.9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	5.2~5.9GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	100W max. 20W max. as combiner

Mechanical

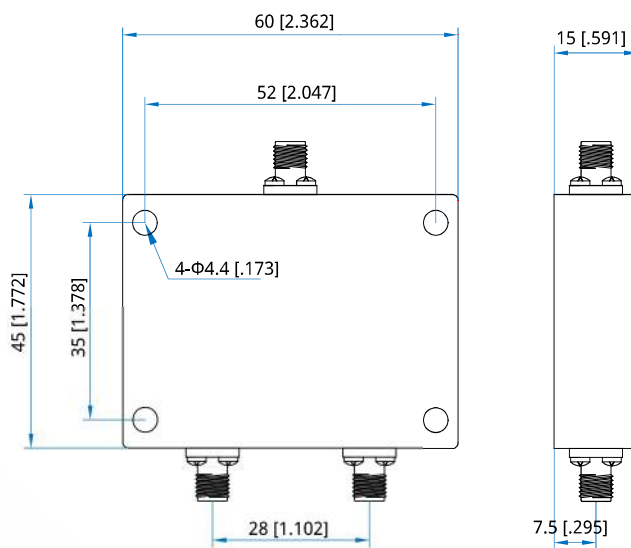
Size*1:	60*45*15mm 2.362*1.772*0.591in
Weight:	100g
Connectors:	SMA Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-5200-5900-K1-S

Customization is available upon request.

NPD2-6000-18000-20-S

2-Way, 6~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	6~18GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

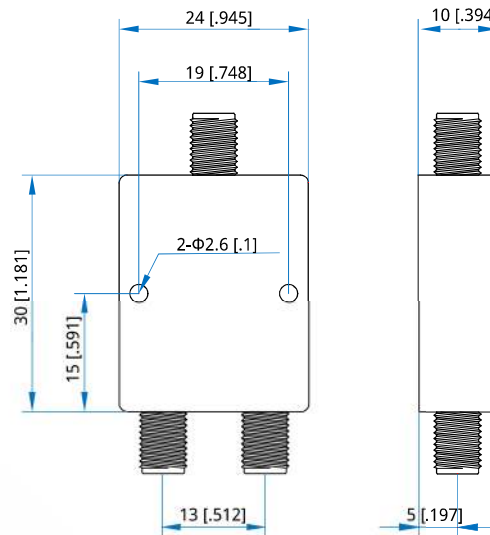
Size*1:	30*24*10mm 1.181*0.945*0.394in
Weight:	22g
Connectors:	SMA Female
Mounting:	2-Φ2.6mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-6000-18000-20-S

Customization is available upon request.

NPD2-6000-40000-20-K

2-Way, 6~40GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	6~40GHz
Insertion Loss:	1.4dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

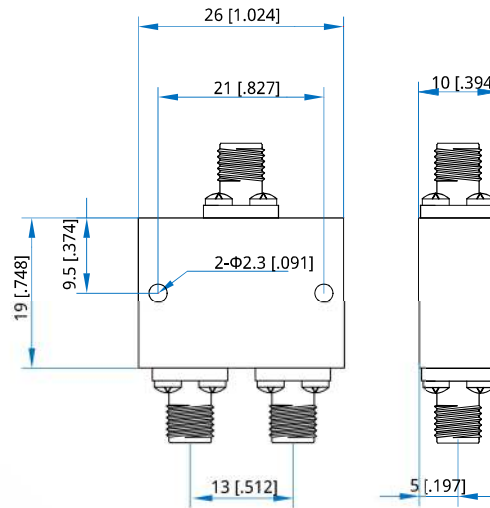
Size ^[1] :	19*26*10mm 0.748*1.024*0.394in
Weight:	21g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-6000-40000-20-K

Customization is available upon request.

NPD2-7000-8500-30-S

2-Way, 7~8.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	7~8.5GHz
Insertion Loss:	0.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

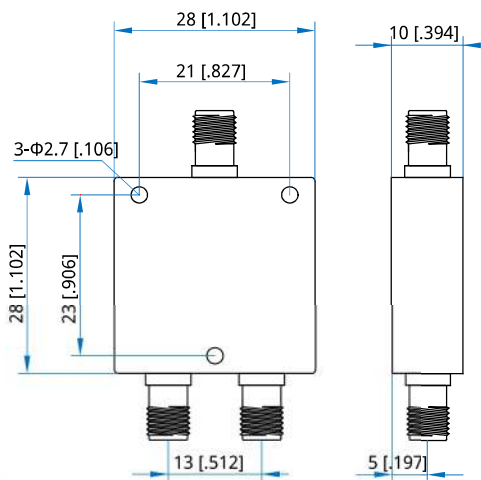
Size*1:	28*28*10mm 1.102*1.102*0.394in
Weight:	25g
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-7000-8500-30-S

Customization is available upon request.

NPD2-7000-9000-30-S

2-Way, 7~9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	7~9GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

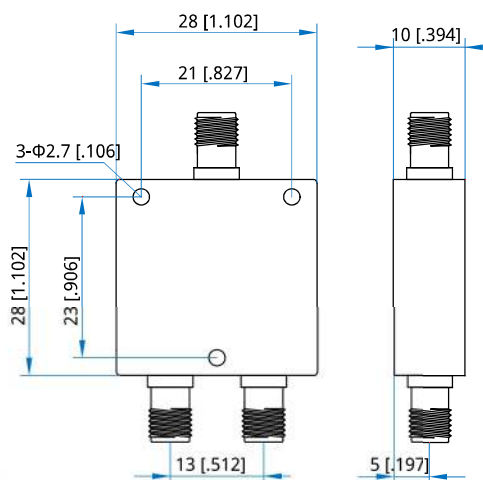
Size*1:	28*28*10mm 1.102*1.102*0.394in
Weight:	21g
Connectors:	SMA Female
Mounting:	3- Φ 2.7mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NPD2-7000-9000-30-S

Customization is available upon request.

NPD2-8000-12000-20-S

2-Way, 8~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	8~12GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

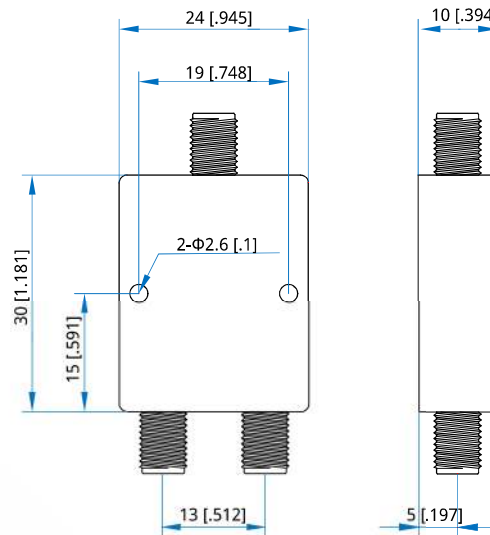
Size*1:	30*24*10mm 1.181*0.945*0.394in
Weight:	22g
Connectors:	SMA Female
Mounting:	2- Φ 2.6mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-8000-12000-20-S

Customization is available upon request.

NPD2-8000-30000-20-K

2-Way, 8~30GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	8~30GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

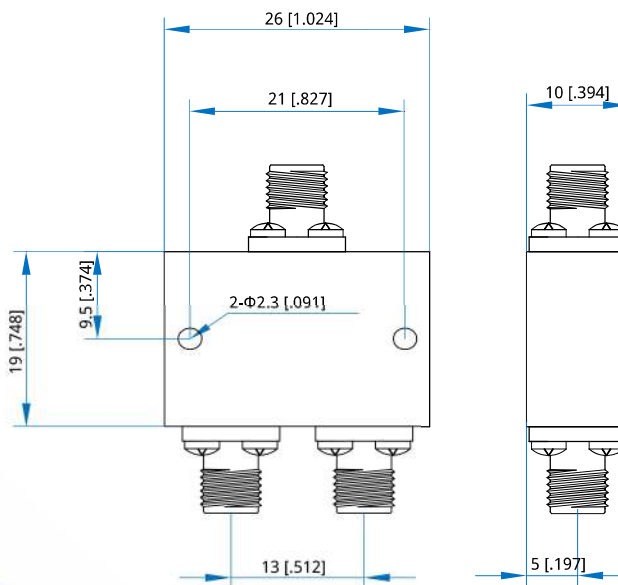
Size*1:	26*19*10mm 1.024*0.748*0.394in
Weight:	22g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NPD2-8000-30000-20-K

Customization is available upon request.

NPD2-10000-43000-20-K

2-Way, 10~43GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	10~43GHz
Insertion Loss:	1.3dB max.
Input VSWR:	1.6 max.
Output VSWR:	1.6 max.
Isolation:	12dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

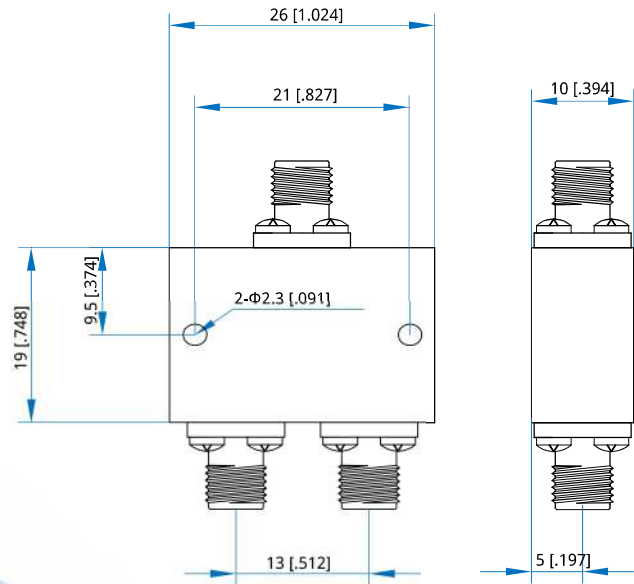
Size ^[1] :	26*19*10mm 1.024*0.748*0.394in
Weight:	21g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2- Φ 2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.3 mm [± 0.012 in]

How To Order

NPD2-10000-43000-20-K

Customization is available upon request.

NPD2-10000-43300-20-K

2-Way, 10~43.3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	10~43.3GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.6 max.
Output VSWR:	1.6 max.
Isolation:	14dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

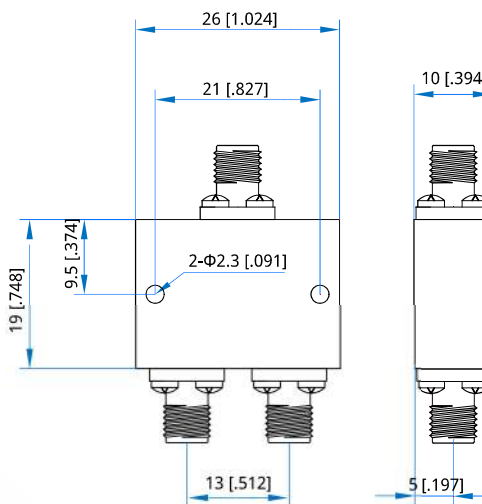
Size*1:	19*26*10mm 0.748*1.024*0.394in
Weight:	21g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-55~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-10000-43300-20-K

Customization is available upon request.

NPD2-10700-12750-20-S

2-Way, 10.7~12.75GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	10.7~12.75GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

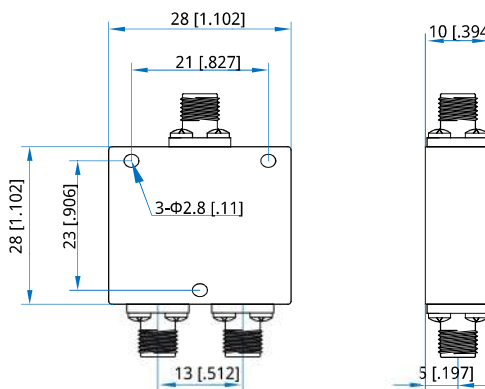
Size ^[1] :	28*28*10mm 1.102*1.102*0.394in
Connectors:	SMA Female
Mounting:	3-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD2-10700-12750-20-S

Customization is available upon request.

NPD2-18000-26500-20-K

2-Way, 18~26.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	18~26.5GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 1W max as combiner

Mechanical

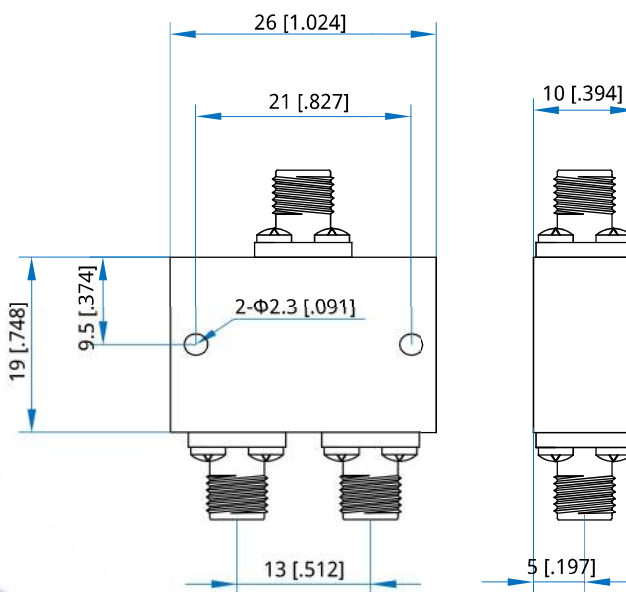
Size ^[1] :	19*26*10mm 0.748*1.024*0.394in
Weight:	21g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-18000-26500-20-K

Customization is available upon request.

NPD2-18000-40000-20-K

2-Way, 18~40GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	18~40GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

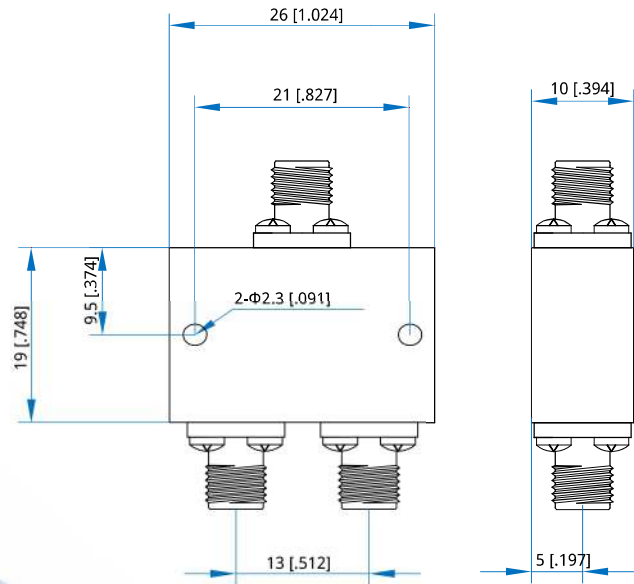
Size ^[1] :	26*19*10mm 1.024*0.748*0.394in
Weight:	21g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	2- Φ 2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ± 0.3 mm [± 0.012 in]

How To Order

NPD2-18000-40000-20-K

Customization is available upon request.

NPD2-20000-22000-20-K

2-Way, 20~22GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	20~22GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

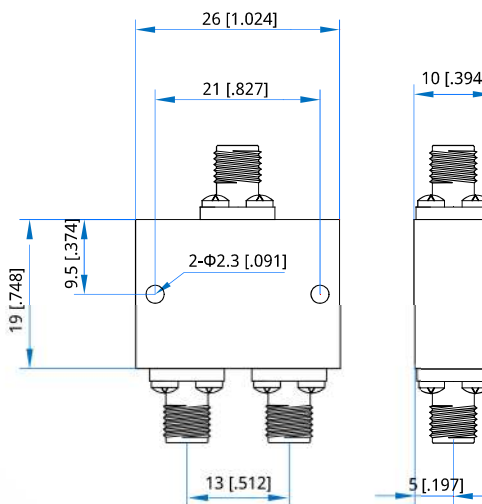
Size*1:	19*26*10mm 0.748*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-20000-22000-20-K

Customization is available upon request.

NPD2-20000-40000-20-K

2-Way, 20~40GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	20~40GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

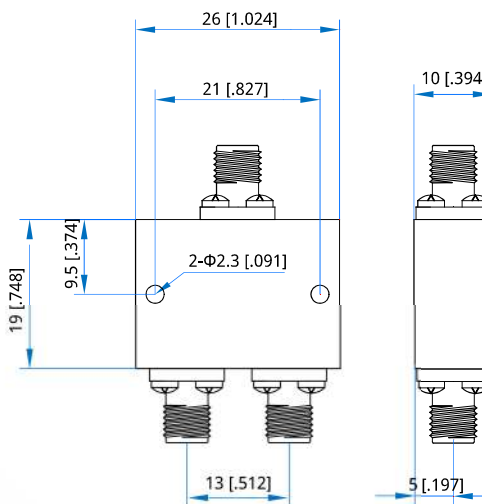
Size*1:	19*26*10mm 0.748*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-20000-40000-20-K

Customization is available upon request.

NPD2-23100-23300-10-K

2-Way, 23.1~23.3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test

Electrical

Frequency:	23.1~23.3GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	±0.3dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	10W

Mechanical

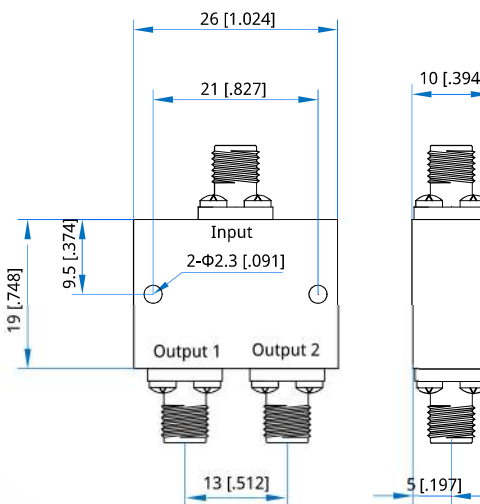
Size*1:	19*26*10mm 0.748*1.024*0.394in
Connectors:	2.92mm Female
Mounting:	2-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD2-23100-23300-10-K

Customization is available upon request.