

NPD6-800-2700-30-N

6-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:	1.4dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max as combiner

Mechanical

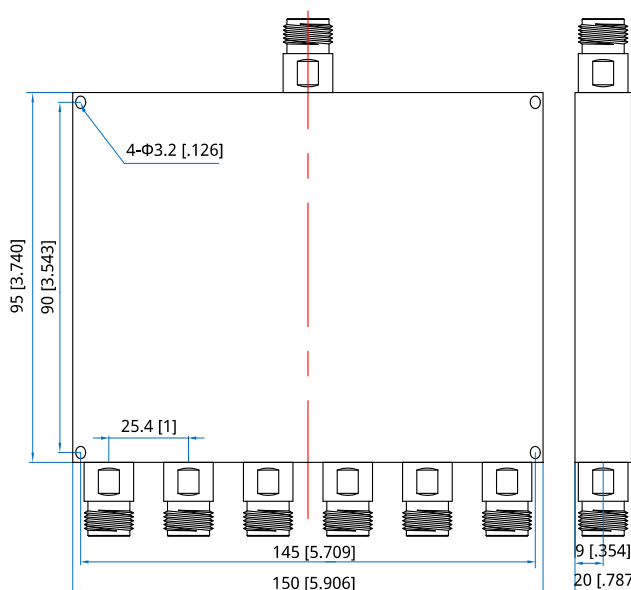
Size ^{*1} :	95*150*20mm 3.74*5.906*0.787in
Weight:	920g
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-800-2700-30-N

Customization is available upon request.

NPD6-800-3000

6-Way, 0.8~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~3GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

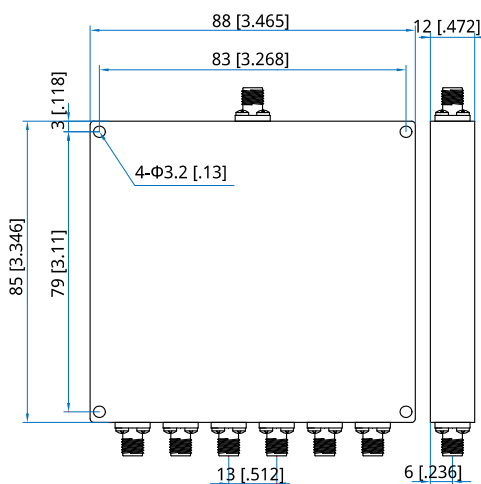
Size ^{*1} :	85*88*12mm 3.346*3.465*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-800-3000

Customization is available upon request.

NPD6-1000-1700

6-Way, 1~1.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~1.7GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.4dB max. (SMA) 0.4dB max. (N, TNC)
Phase Balance:	±5° max. (SMA) ±4° (N, TNC)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

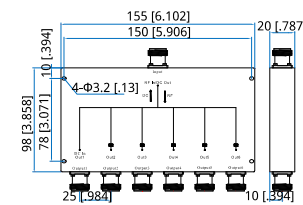
Mechanical

Mounting:	4-Φ2.8mm through-hole (SMA) 4-Φ3.2mm through-hole (N, TNC)
Power Supply Input:	Out1
Power Supply Output:	In

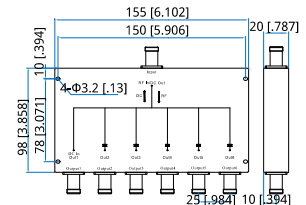
Environmental

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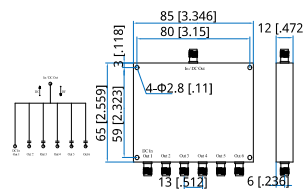
Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-1000-1700-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

N - N Female (Outline A)

T - TNC Female (Outline B)

S - SMA Female (Outline C)

Examples:

To order a 6-way power divider, 1~1.7GHz, 30W, N female, specify NPD6-0100-1170-30-N.

Customization is available upon request.

NPD6-1000-2000-30-N

6-Way, 1~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~2GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

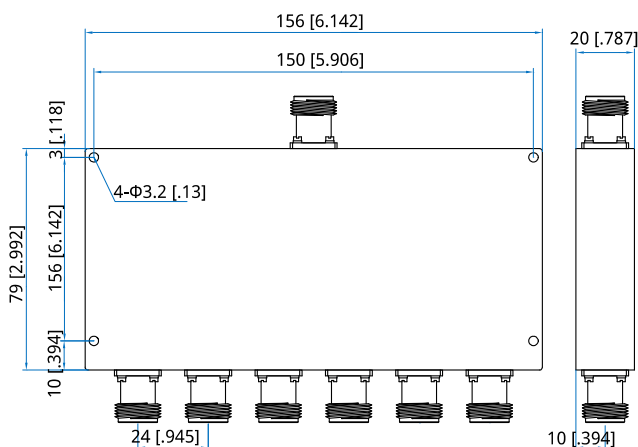
Size ^{*1} :	76*156*20mm 2.992*6.142*0.787in
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD6-1000-2000-30-N

Customization is available upon request.

NPD6-1000-8000-20-S

6-Way, 1~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~8GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

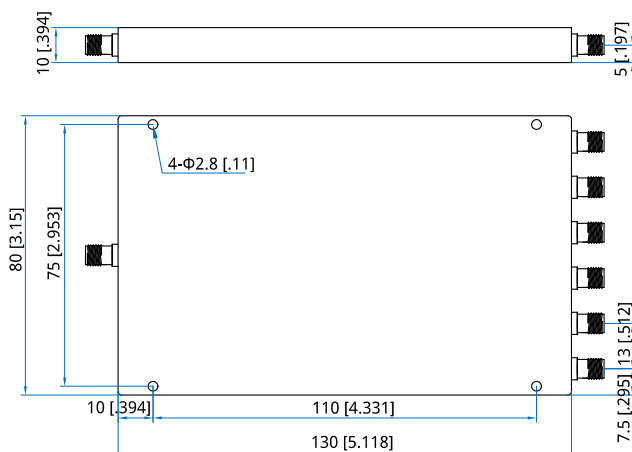
Size* ¹ :	130*80*10mm 5.118*3.15*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[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

NPD6-1000-8000-20-S

Customization is available upon request.

NPD6-1500-5000-20-S

6-Way, 1.5~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.5~5GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

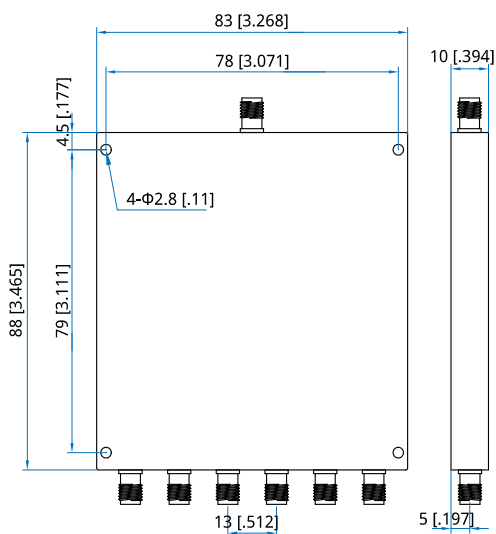
Size ^{*1} :	88*83*10mm 3.465*3.268*0.394in
Weight:	160g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[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

NPD6-1500-5000-20-S

Customization is available upon request.

NPD6-2000-6000-30-S

6-Way, 2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~6GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	± 0.5 dB
Phase Balance:	$\pm 6^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

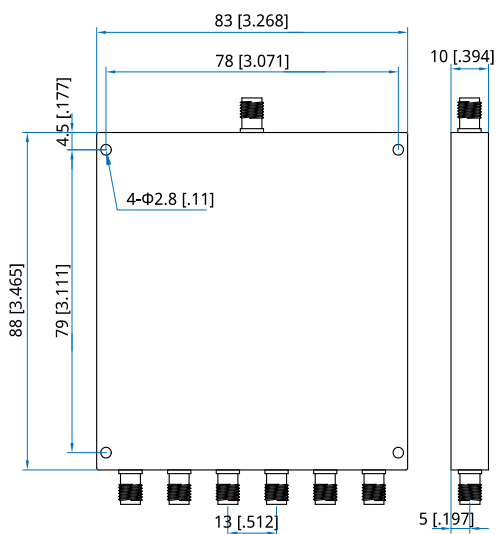
Size ^{*1} :	88*83*10mm 3.465*3.268*0.394in
Connectors:	SMA Female
Mounting:	4- $\Phi 2.8$ mm through-hole

[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

NPD6-2000-6000-30-S

Customization is available upon request.

NPD6-2000-8000-30-S

6-Way, 2~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~8GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max as combiner

Mechanical

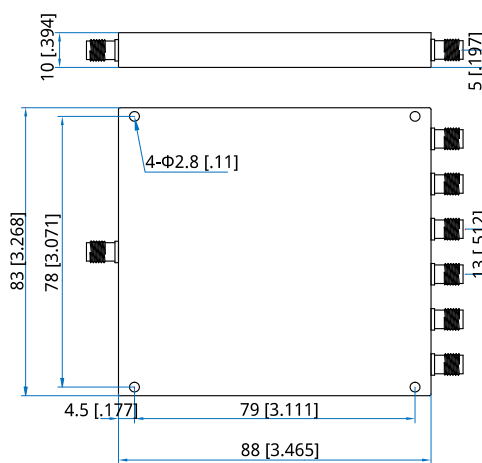
Size*1:	88*83*10mm 3.465*3.268*0.394in
Weight:	153g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[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

NPD6-2000-8000-30-S

Customization is available upon request.

NPD6-2000-18000-20-S

6-Way, 2~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~18GHz
Insertion Loss:	2.6dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±0.6dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

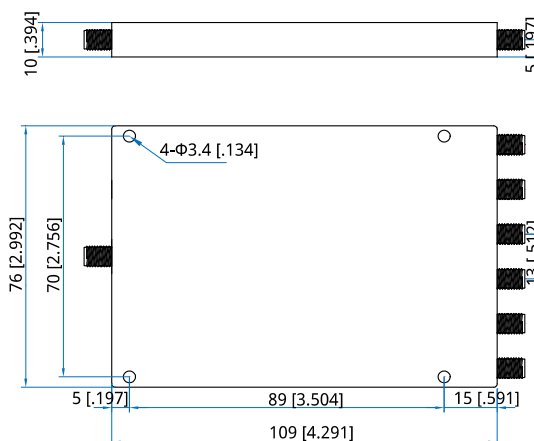
Size ^{*1} :	109*76*10mm 4.291*2.992*0.394in
Weight:	300g
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[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

NPD6-2000-18000-20-S

Customization is available upon request.

NPD6-3700-4900-20-SP

6-Way, 3.7~4.9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	3.7~4.9GHz
Insertion Loss:	0.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 1.2^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max as combiner

Mechanical

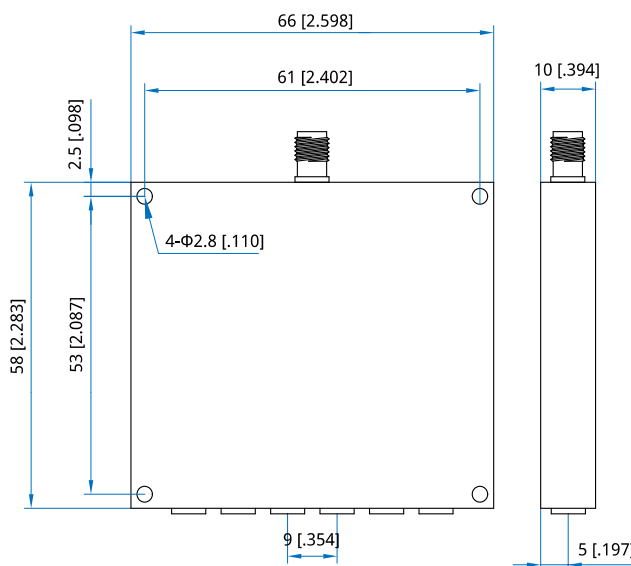
Size ^{*1} :	58*66*10mm 2.283*2.599*0.394in
Weight:	120g
Connectors:	SMA Female, SMP Female
Mounting:	4- Φ 2.8mm through-hole

[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

NPD6-3700-4900-20-SP

Customization is available upon request.

NPD6-4000-8000-30-S

6-Way, 4~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	4~8GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

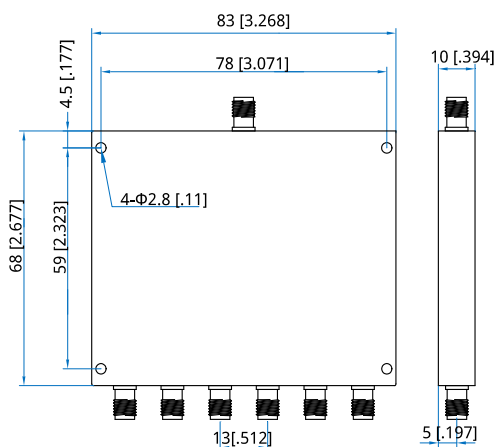
Size ^{*1} :	68*83*10mm 2.677*3.268*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[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

NPD6-4000-8000-30-S

Customization is available upon request.

NPD6-8000-17000-20-S

6-Way, 8~17GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	8~17GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	±0.8dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

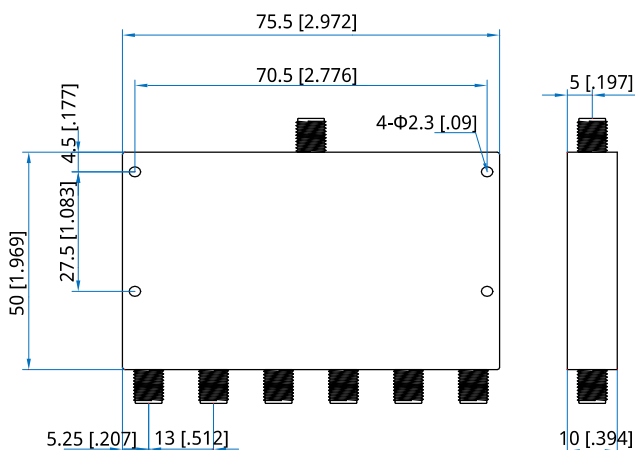
Size*1:	50*70.5*10mm 1.969*2.972*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-45~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-8000-17000-20-S

Customization is available upon request.

NPD6-0-1000-1-S

6-Way, DC~1GHz, 1W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~1GHz
Insertion Loss:	16±1.5dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	16dB min.
Amplitude Balance:	±0.6dB
Impedance:	50Ω
Average Power:	1W

Mechanical

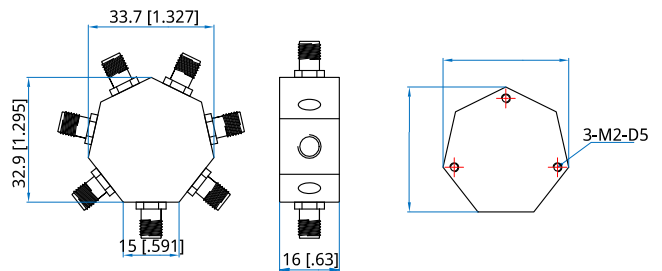
Size* ^[1] :	33.7*32.9*16mm 1.327*1.295*0.63in
Connectors:	SMA Female
Mounting:	3-M2, depth 5mm

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-0-1000-1-S

Customization is available upon request.

NPD6-0-6000

6-Way, DC~6GHz, 2W

Features:

- * Broadband
- * Low Insertion Loss
- * High Power

Applications:

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

Electrical

Frequency:	DC~6GHz
Insertion Loss:	17±1.0dB max.
VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±1.2dB
Impedance:	50Ω
Power Handling:	2W

Mechanical

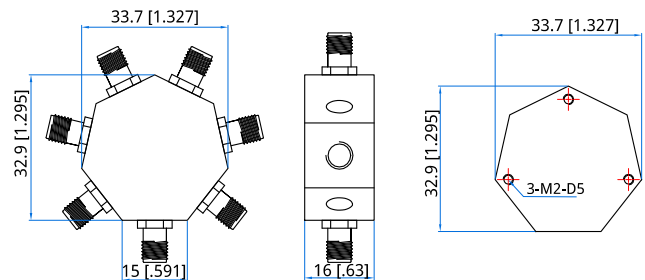
Size* ¹ :	33.7*32.9*16mm 1.327*1.295*0.63in
Connectors:	SMA Female
Mounting:	3-M2, depth 5mm

[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

NPD6-0-6000

Customization is available upon request.

NPD6-0-8000

6-Way, DC~8GHz, 2W

Features:

- * Broadband
- * Low Insertion Loss
- * High Power

Applications:

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

Electrical

Frequency:	DC~8GHz
Insertion Loss:	18±1.0dB max.
VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±1.5dB
Impedance:	50Ω
Power Handling:	2W

Mechanical

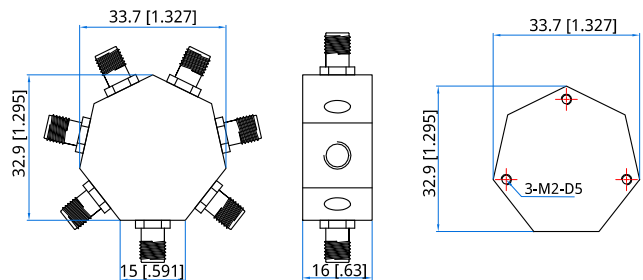
Size* ¹ :	33.7*32.9*16mm 1.327*1.295*0.63in
Connectors:	SMA Female
Mounting:	3-M2, depth 5mm

[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

NPD6-0-8000

Customization is available upon request.

NPD6-0-10000

6-Way, DC~10GHz, 0.5W

Features:

- * Broadband
- * Low Insertion Loss
- * High Power

Applications:

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

Electrical

Frequency:	DC~10GHz
Insertion Loss:	16±3.5dB max.
VSWR:	1.7 max.
Amplitude Balance:	±3.0dB max.
Impedance:	50Ω
Power Handling:	0.5W

Mechanical

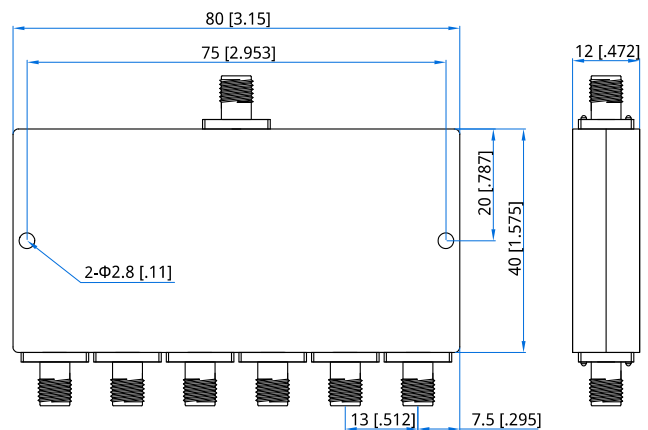
Size ^{*1} :	80*40*12mm 3.15*1.575*0.472in
Connectors:	SMA Female
Mounting:	2-Φ2.8mm through-hole

[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

NPD6-0-10000

Customization is available upon request.

NPD6-400-4000

6-Way, 0.4~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.4~4GHz
Insertion Loss:	3.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.9dB max.
Phase Balance:	$\pm 10^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

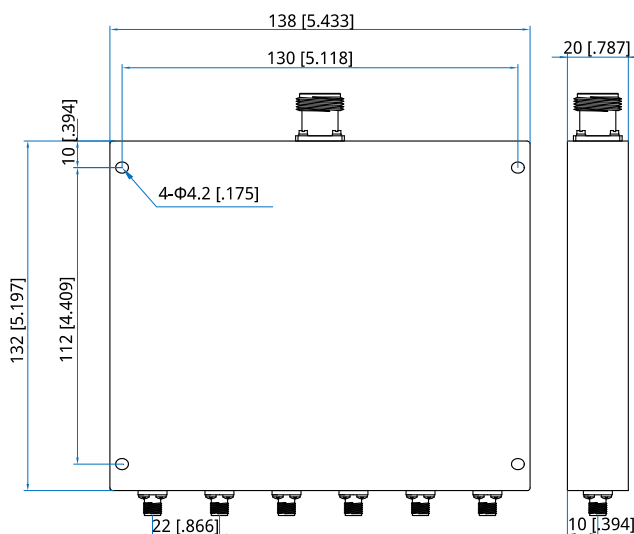
Size ^{*1} :	132*138*20mm 5.197*5.433*0.787in
Input Connector:	N Female
Output Connector:	SMA Female
Mounting:	4- Φ 4.2mm through-hole

[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

NPD6-400-4000

Customization is available upon request.

NPD6-500-3000-50-S

6-Way, 0.5~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~3GHz
Insertion Loss:	2.6dB max.
VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	±1.5dB max.
Phase Balance:	±20° max.
Impedance:	50Ω
Average Power:	50W max. 2W max. as combiner

Mechanical

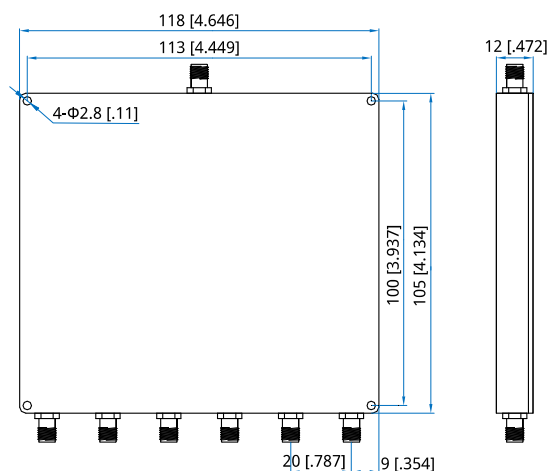
Size*1:	105*118*12mm 4.134*4.646*0.472in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-40~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-500-3000-50-S

Customization is available upon request.

NPD6-500-6000

6-Way, 0.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~6GHz
Insertion Loss:	3.0dB max. (SMA) 4.0dB max. (N)
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.8dB max. (SMA) 1.0dB max. (N)
Phase Balance:	±8° (SMA) ±10° (N)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4-Φ3.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD6-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

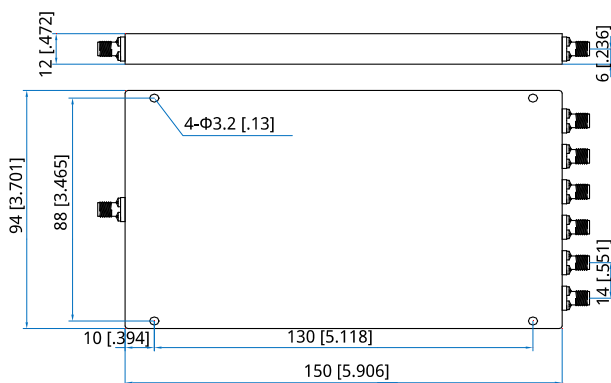
N - N Female (Outline B)

Examples:

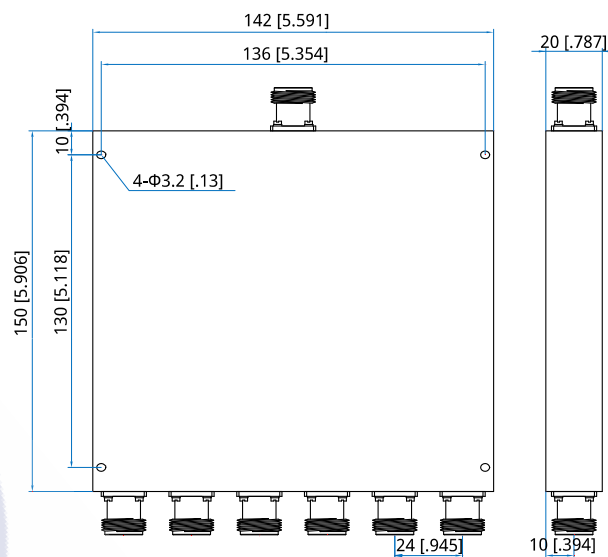
To order a 6-way power divider, 0.5~6GHz, 30W, N female, specify NPD6-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD6-500-8000-20-S

6-Way, 0.5~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~8GHz
Insertion Loss:	3.5dB max.
Input VSWR:	1.55 max.
Output VSWR:	1.4 max.
Isolation:	17dB min.
Amplitude Balance:	1dB max.
Phase Balance:	±10°
Impedance:	50Ω
Average Power:	20W max. 2W max. as combiner

Mechanical

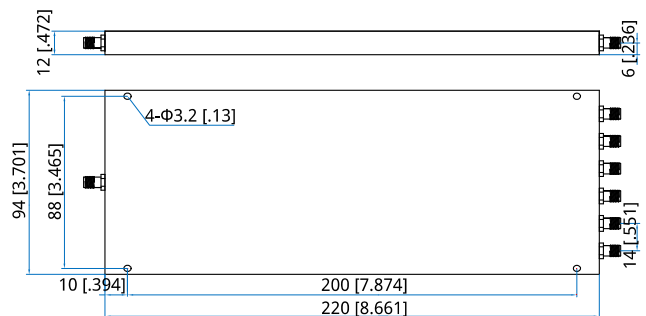
Size*1:	220*94*12mm 8.661*3.701*0.472in
Weight:	680g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD6-500-8000-20-S

Customization is available upon request.

NPD6-700-2700

6-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:	1.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	40W max. 2.5W max. as combiner

Mechanical

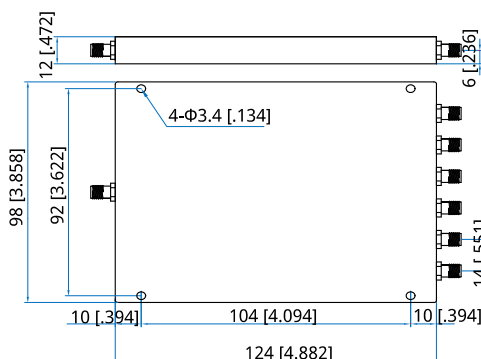
Size ^{*1} :	124*98*12mm 4.882*3.858*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[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

NPD6-700-2700

Customization is available upon request.

NPD6-700-4000

6-Way, 0.7~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~4GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	±0.8dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

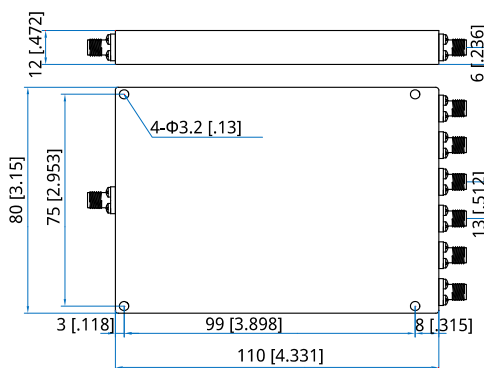
Size ^{*1} :	110*80*12mm 4.331*3.15*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD6-700-4000

Customization is available upon request.

NPD6-800-2500-20-S

6-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:	1.0dB max.
Input VSWR:	1.30 max.
Output VSWR:	1.20 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max as combiner

Mechanical

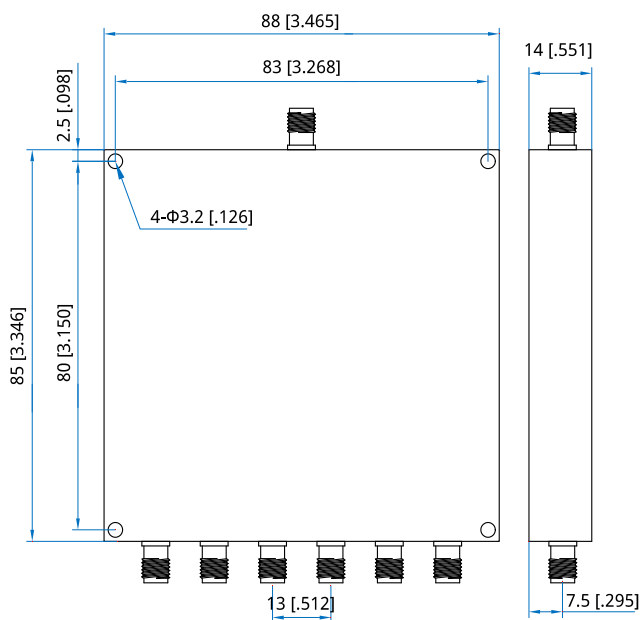
Size ^{*1} :	85*88*14mm 3.346*3.465*0.551in
Weight:	240g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD6-800-2500-20-S

Customization is available upon request.