

NPD8-0-2000-2

8-Way, DC~2GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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



Electrical

Frequency:	DC~2GHz
Insertion Loss:	19dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.25 max.
Isolation:	17.5dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±1°
Impedance:	50Ω
Average Power:	2W as divider

Mechanical

Size*1:	200*60*20mm 7.874*2.362*0.787in
Connectors*2:	N Female TNC Female
Mounting:	4-Φ4.5mm through-hole

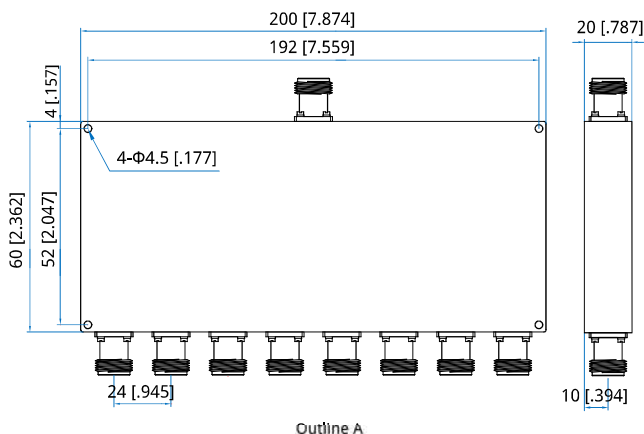
[1] Exclude connectors.

[2] Female connectors can be replaced with male connectors on request

Environmental

Operating Temperature:	-35~+75°C
Non-operating Temperature:-	-45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-0-2000-2-Y

Y: Connector type

Connector naming rules:

N - N Female (Outline A)

T - TNC Female

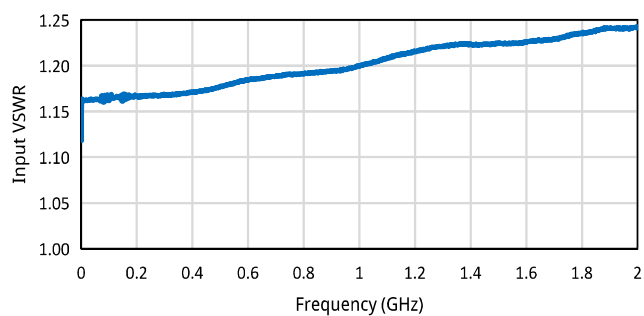
Examples:

To order a 8-way power divider, 0~2GHz, 2W, N female, specify NPD8-0-2000-2-N.

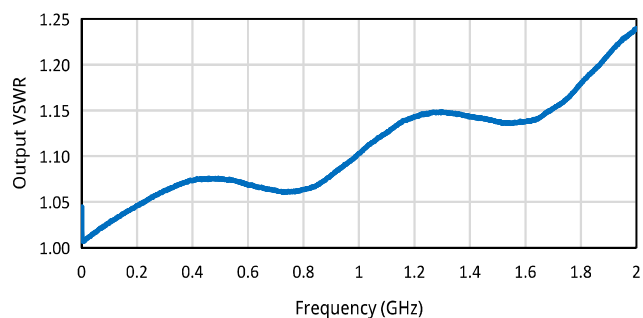
Customization is available upon request.

8-Way Resistive Power Divider

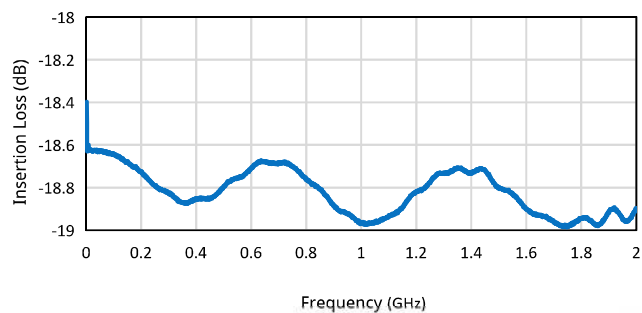
Input VSWR vs. Frequency



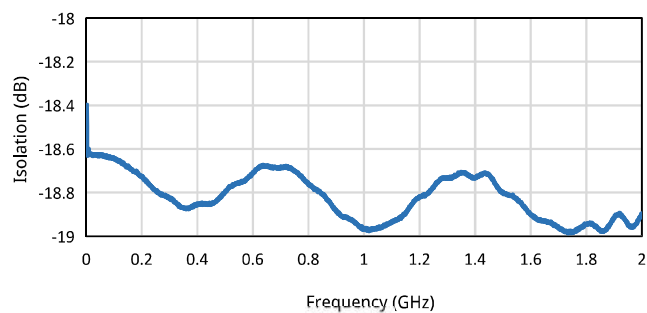
Output VSWR vs. Frequency



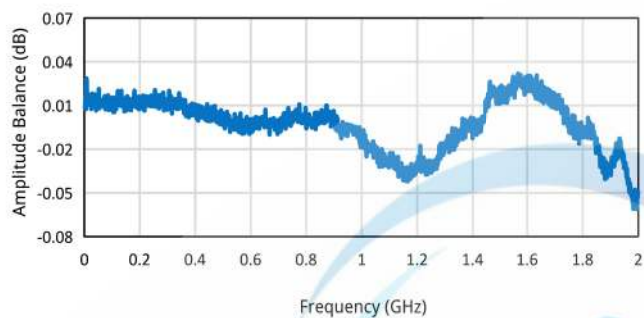
Insertion Loss vs. Frequency



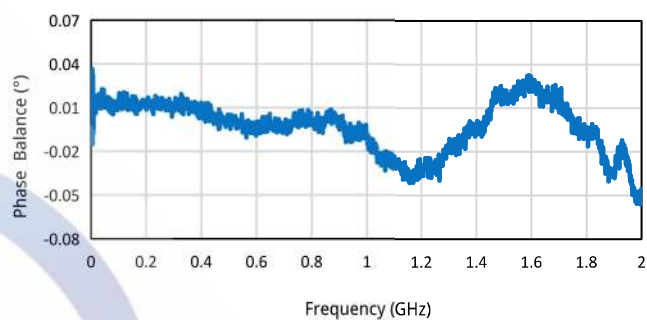
Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency





8-Way Resistive Power Dividers

NPD8-0-3000

8-Way, DC~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~3GHz
Insertion Loss:	18.5dB max. (SMA) 23dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	17dB min. (SMA) 20dB min. (N)
Amplitude Balance:	0.5dB max. (SMA) ± 0.6 dB (N)
Phase Balance:	$\pm 5^\circ$ (SMA) $\pm 8^\circ$ (N)
Impedance:	50 Ω
Average Power:	2W

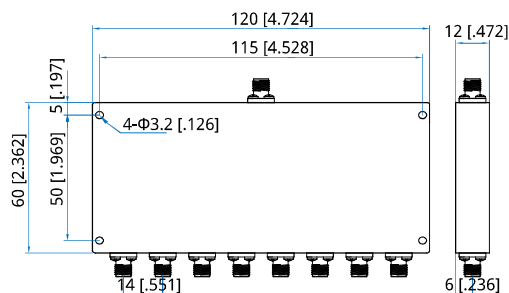
Mechanical

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

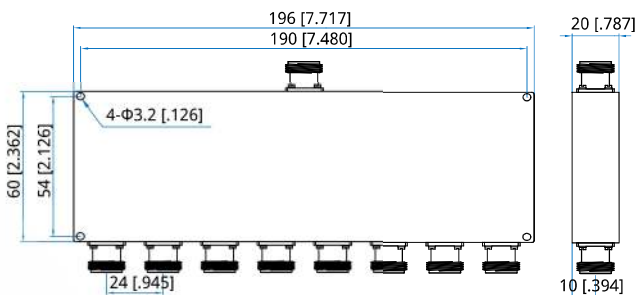
Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-0-3000-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 8-way resistive power divider, DC~3GHz, 2W, N female, specify NPD8-0-3000-2-N.

Customization is available upon request.



8-Way Resistive Power Divider

NPD8-0-4000-2-S

8-Way, DC~4GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~4GHz
Insertion Loss:	19.5dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.4 max.
Isolation:	17dB min.
Amplitude Balance:	0.8dB max.
Phase Balance:	$\pm 8^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

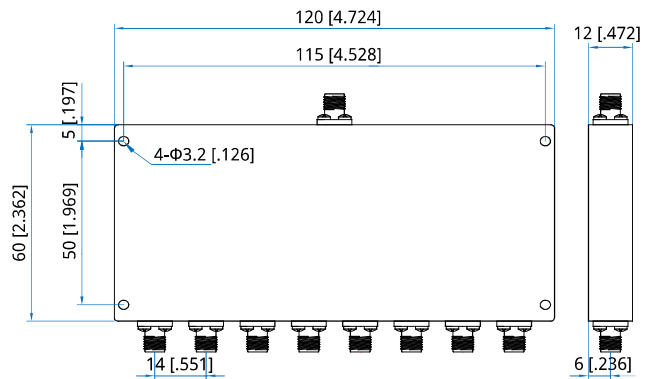
Size*1:	120*60*12mm 4.724*2.362*0.472in
Weight:	211g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-0-4000-2-S

Customization is available upon request.

NPD8-0-6000-2-S

8-Way, DC~6GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~6GHz
Insertion Loss:	18±2.5dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	±1.2dB
Impedance:	50Ω
Average Power:	2W

Mechanical

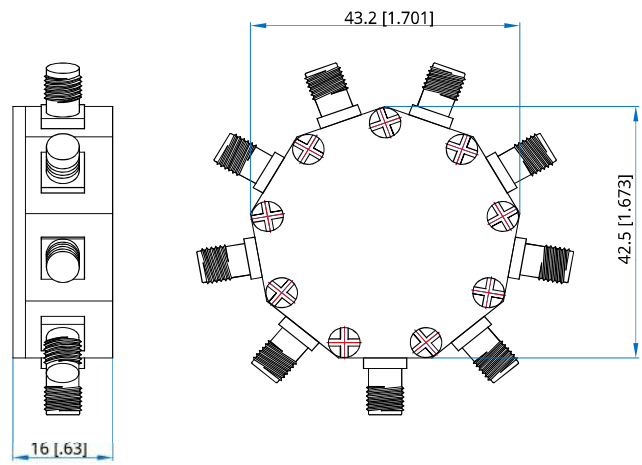
Size*1:	43.2*42.5*16mm 1.701*1.673*0.63in
Connectors:	SMA Female

[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

NPD8-0-6000-2-S

Customization is available upon request.

NPD8-0-8000

8-Way, DC~8GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~8GHz
Insertion Loss:	20±1.5dB max.
VSWR:	1.6 max.
Isolation:	18dB min.
Amplitude Balance:	±1.8dB
Impedance:	50Ω
Power Handling:	2W

Mechanical

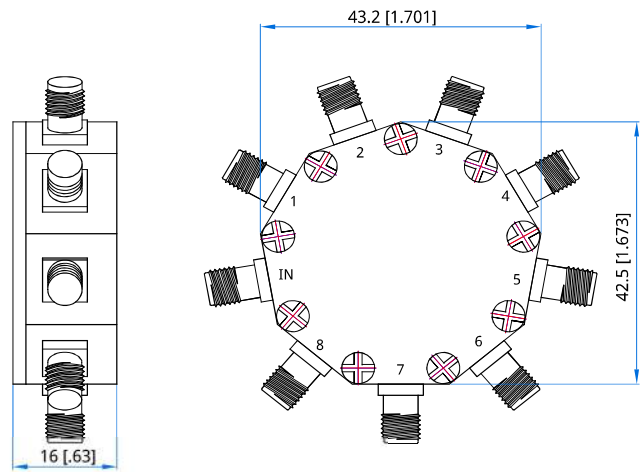
Size*1:	43.2*42.5*16mm 1.701*1.673*0.63in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-0-8000

Customization is available upon request.

NPD8-0-10000

8-Way, DC~10GHz, 0.5W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~10GHz
Insertion Loss:	18±2.8dB max.
VSWR:	1.6 max.
Amplitude Balance:	±2.0dB max.
Impedance:	50Ω
Power Handling:	0.5W

Mechanical

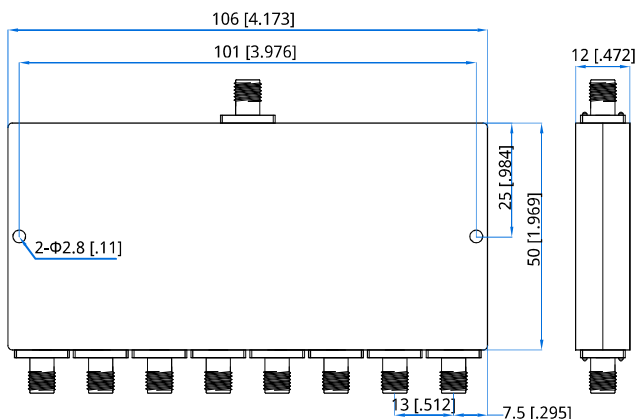
Size*1:	106*50*12mm 4.173*1.969*0.472in
Connectors:	SMA Female
Mounting:	2-Φ2.8mm through-hole

[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

NPD8-0-10000

Customization is available upon request.

NPD8-0-10000-2-S

8-Way, DC~10GHz, 1W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~10GHz
Insertion Loss:	19,5dB max.
Input VSWR:	1.6 max.
Output VSWR:	2.5 max.
Isolation:	18dB min.
Amplitude Balance:	±2.0 dB
Impedance:	50Ω
Average Power:	1W cw

Mechanical

Size*1:	48,57*48,57*12,7mm
Connectors:	SMA Female
Preferred finish:	Yellow conductive oxidation/Green/Blue/Sliver
Rohs:	Compliant
Weight:	0.2kg

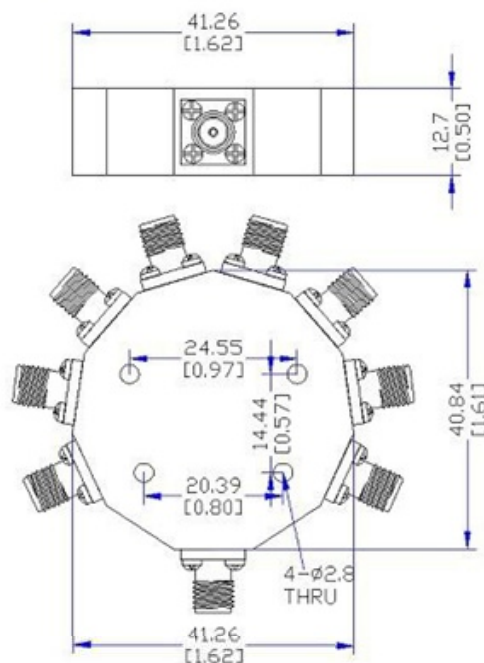
[1] Exclude connectors.

Environmental

Operation Temperature:	-40°C~+85°C
Storage Temperature:	-50°C~+105°C
Altitude:	30,000 ft. (Epoxy Sealed Controlled environment) 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) Optional
Vibration:	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity:	100% RH at 35°C, 95%RH at 40°C
Shock:	20G for 11msec half sine wave, 3 axis both directions

8-Way Resistive Power Divider

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-0-18000-2-S

Customization is available upon request.

NPD8-0-18000-1-S

8-Way, DC~18GHz, 1W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~18GHz
Insertion Loss:	23dB max.
Input VSWR:	1.6 max.
Output VSWR:	2.5 max.
Isolation:	18dB min.
Amplitude Balance:	±1.4dB
Impedance:	50Ω
Average Power:	1W

Mechanical

Size*1:	60.5*92.5*10mm 2.37*3.642*0.394in
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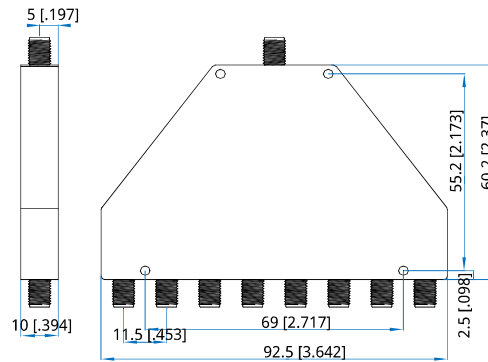
Connectors: SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-0-18000-1-S

Customization is available upon request.



NPD8-0-18000-2-S

8-Way, DC~18GHz, 1W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~18GHz
Insertion Loss:	19,5dB max.
Input VSWR:	1.6 max.
Output VSWR:	2.5 max.
Isolation:	18dB min.
Amplitude Balance:	±1.5dB
Impedance:	50Ω
Average Power:	1W cw

Mechanical

Size *1:	48,57*48,57*12,7mm
Connectors:	SMA Female
Preferred finish:	Yellow conductive oxidation/Green/Blue/Sliver
Rohs:	Compliant
Weight:	0.2kg

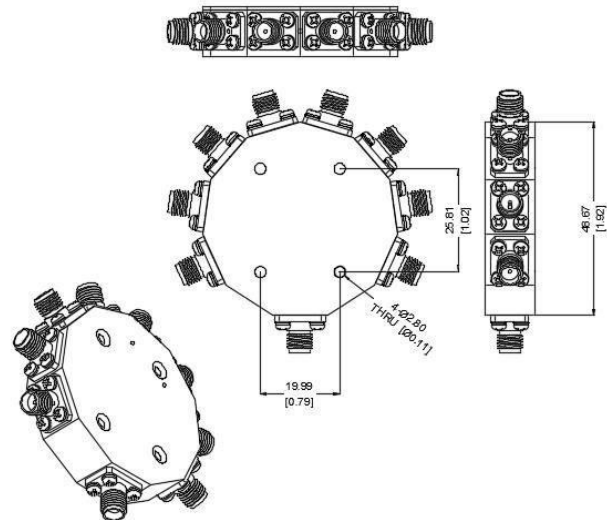
[1] Exclude connectors.

Environmental

Operation Temperature:	-40°C~+85°C
Storage Temperature:	-50°C~+105°C
Altitude:	30,000 ft. (Epoxy Sealed Controlled environment) 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) Optional
Vibration:	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity:	100% RH at 35°C, 95%RH at 40°C
Shock:	20G for 11msec half sine wave, 3 axis both directions

8-Way Resistive Power Divider

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-0-18000-2-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-5-1000-1-S

8-Way, 0.005~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.005~1GHz
Insertion Loss:	3dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 10^\circ$
Impedance:	50 Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

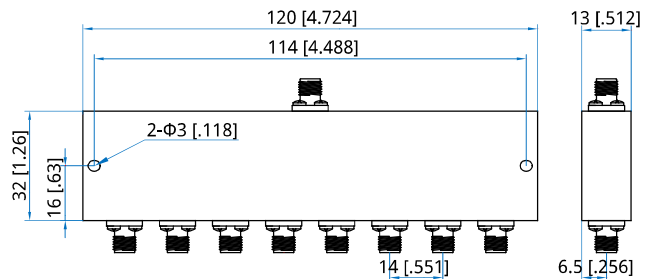
Size*1:	120*32*13mm 4.724*1.26*0.512in
Weight:	200g
Connectors:	SMA Female
Mounting:	2- $\Phi 3$ mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-5-1000-1-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-10-100-1-S

8-Way, 0.01~0.1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.01~0.1GHz
Insertion Loss:	1dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

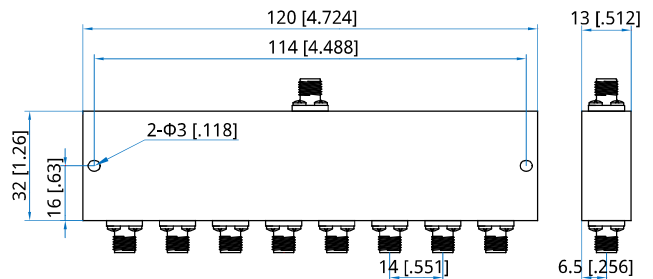
Size*1:	120*32*13mm 4.724*1.26*0.512in
Weight:	150g
Connectors:	SMA Female
Mounting:	2- $\Phi 3$ mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-10-100-1-S

Customization is available upon request.



8-Way Resistive Power Divider

NPD8-30-3000-2-S

8-Way, 0.03~3GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.03~3GHz
Insertion Loss:	18.5dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	17dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	2W

Mechanical

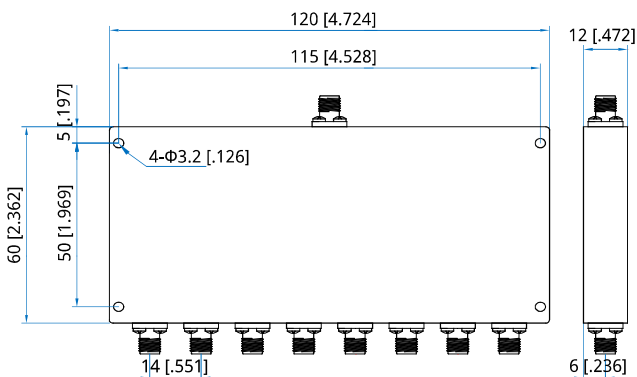
Size*1:	120*60*12mm 4.724*2.362*0.472in
Weight:	211g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-30-3000-2-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-80-500-30-S

8-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:	1.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

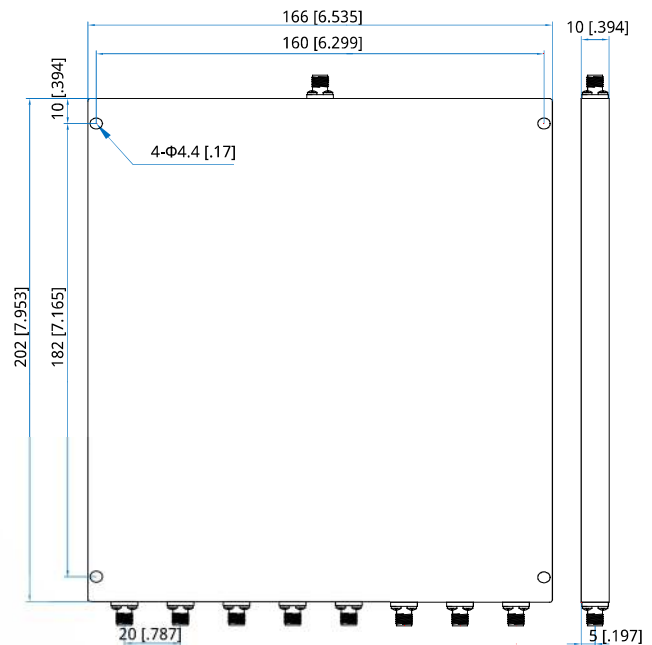
Size*1:	202*166*10mm 7.953*6.535*0.394in
Weight:	800g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-80-500-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-80-4000-30-S

8-Way, 0.08~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.08~4GHz
Insertion Loss:	6.6dB max.
Input VSWR:	1.55 max.
Output VSWR:	1.25 max.
Isolation:	13dB min. (80~140MHz) 20dB min (140~4000MHz)
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 8^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

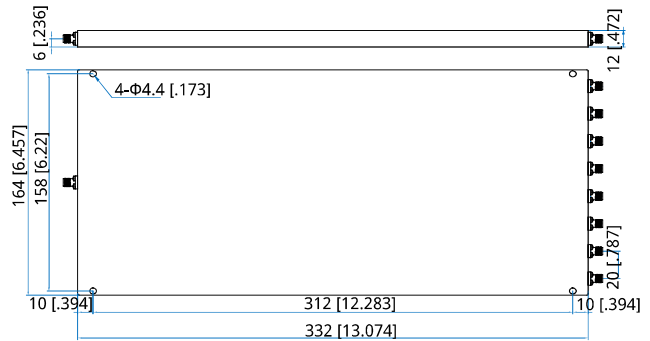
Size*1:	332*164*12mm 13.071*6.457*0.472in
Weight:	1.65Kg
Connectors:	SMA Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-80-4000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-98-102-30-N

8-Way, 0.098~0.102GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.098~0.102GHz
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

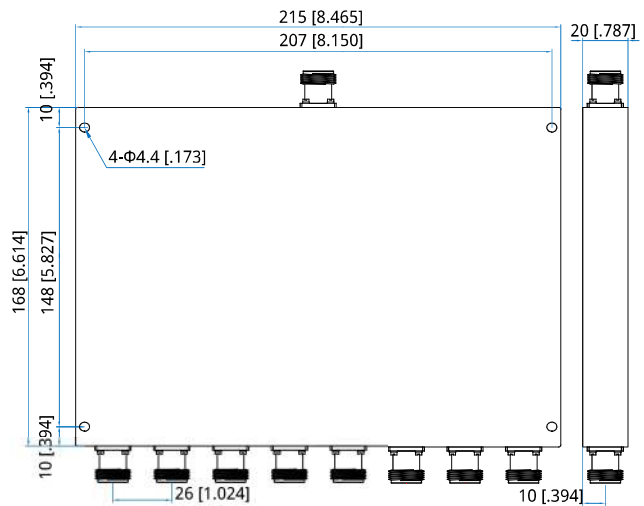
Size*1:	215*168*20mm 8.465*6.614*0.787in
Weight:	2.4Kg
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-98-102-30-N

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-100-700-1-S

8-Way, 0.1~0.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.1~0.7GHz
Insertion Loss:	2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 8^\circ$
Impedance:	50 Ω
Average Power:	1W max. 0.5W max. as combiner

Mechanical

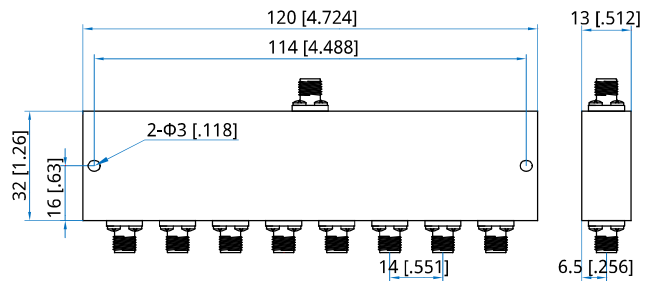
Size*1:	120*32*13mm 4.724*1.26*0.512in
Weight:	200g
Connectors:	SMA Female
Mounting:	2- $\Phi 3$ mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-100-700-1-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-100-700-30-S

8-Way, 0.1~0.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.1~0.7GHz
Insertion Loss:	2dB 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

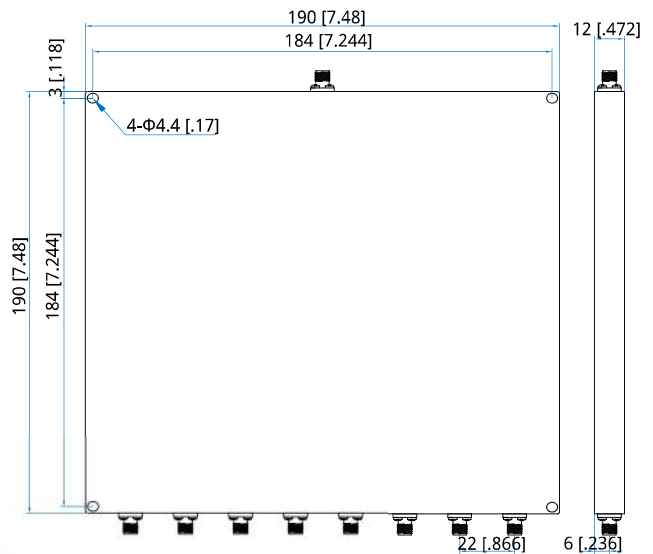
Size*1:	190*190*12mm 7.48*7.48*0.472in
Weight:	800g
Connectors:	SMA Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-100-700-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-100-2000-30-S

8-Way, 0.1~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.1~2GHz
Insertion Loss:	3.4dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

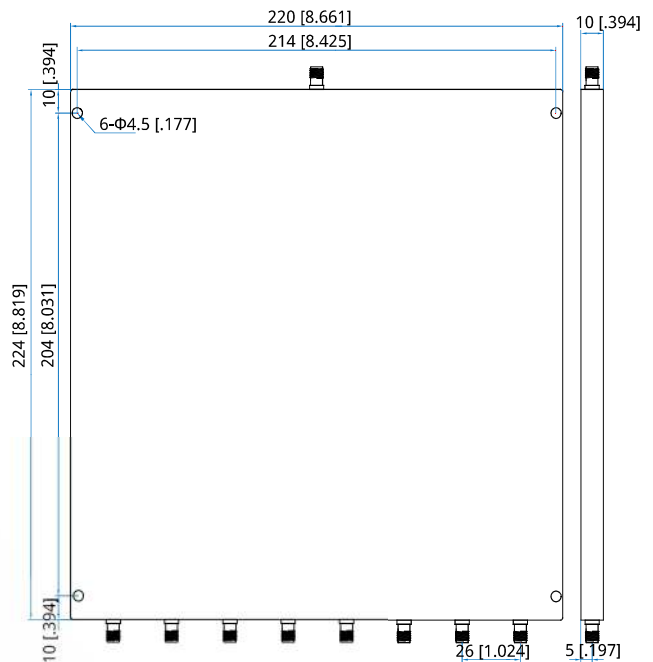
Size*1:	224*220*10mm 8.819*8.661*0.394in
Weight:	850g
Connectors:	SMA Female
Mounting:	6- Φ 4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-100-2000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-100-3000-30-S

8-Way, 0.1~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.1~3GHz
Insertion Loss:	6.5dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 6^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

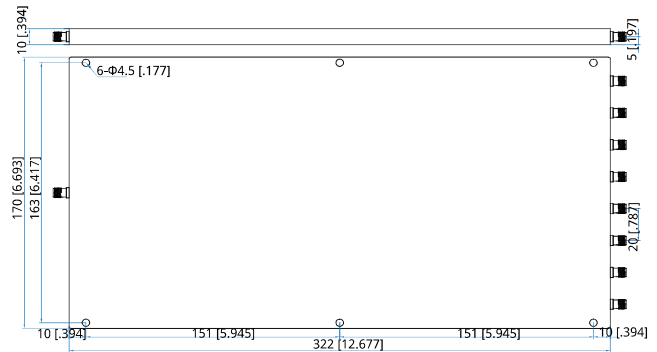
Size*1:	322*170*10mm 12.677*6.693*0.394in
Weight:	850g
Connectors:	SMA Female
Mounting:	6- Φ 4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-100-3000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-100-4000-30-SMS

8-Way, 0.1~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.1~4GHz
Insertion Loss:	6.5dB max.
Input VSWR:	1.55 max.
Output VSWR:	1.25 max.
Isolation:	12dB min. (100~150MHz) 20dB min. (150~4000MHz)
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 6^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

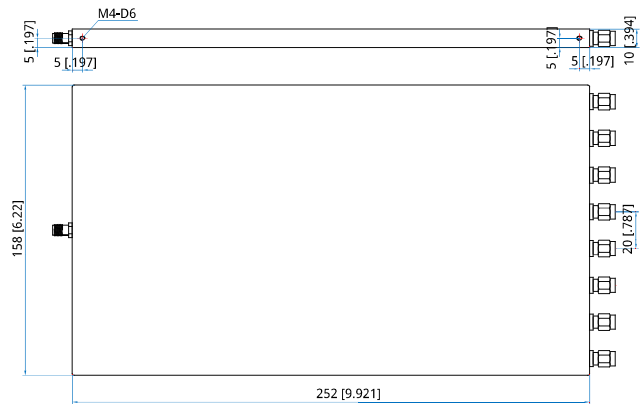
Size*1:	252*158*10mm 9.921*6.22*0.394in
Weight:	1.25Kg
Input Connectors:	SMA Female
Output Connectors:	SMA Male
Mounting:	4-M4, depth 6mm

[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

NPD8-100-4000-30-SMS

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-200-1000

8-Way, 0.2~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.2~1GHz
Insertion Loss:	1.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

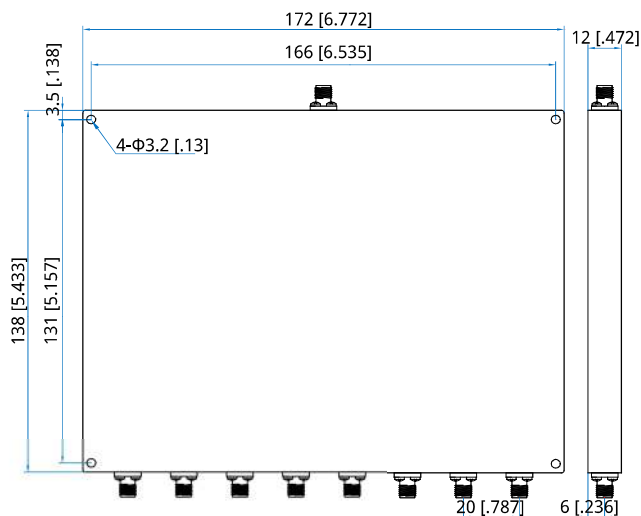
Size*1:	172*138*12mm 6.772*5.433*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-200-1000

Customization is available upon request.

NPD8-200-2000-30-S

8-Way, 0.2~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.2~2GHz
Insertion Loss:	2.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

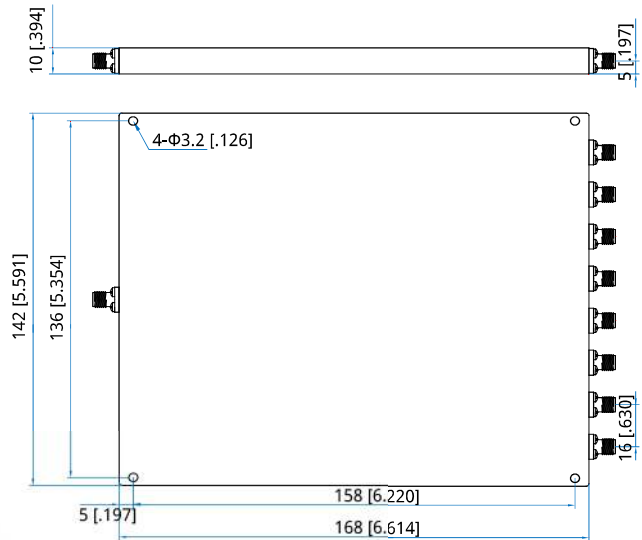
Size*1:	168*142*10mm 6.614*5.591*0.394in
Weight:	700g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-200-2000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-200-2300-30-S

8-Way, 0.2~2.3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.2~2.3GHz
Insertion Loss:	3dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

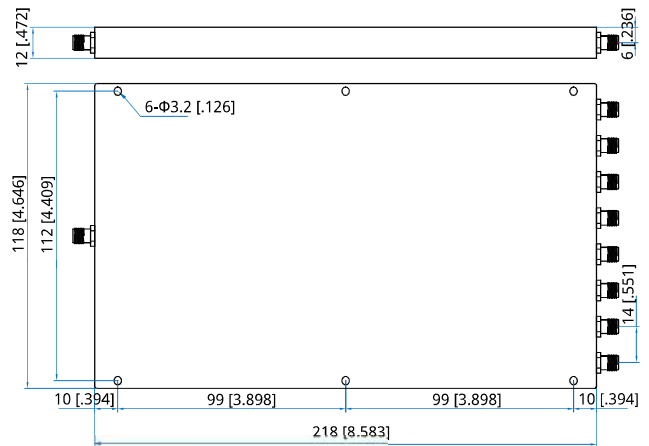
Size*1:	218*118*12mm 8.583*4.646*0.472in
Weight:	670g
Connectors:	SMA Female
Mounting:	6- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-200-2300-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-200-6000

8-Way, 0.2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.2~6GHz
Insertion Loss:	6.8dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	17dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

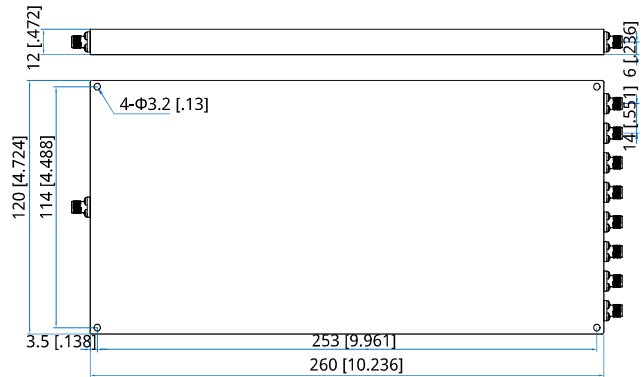
Size*1:	260*120*12mm 10.236*4.724*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-200-6000

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-223-235

8-Way, 223~235MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	223~235MHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

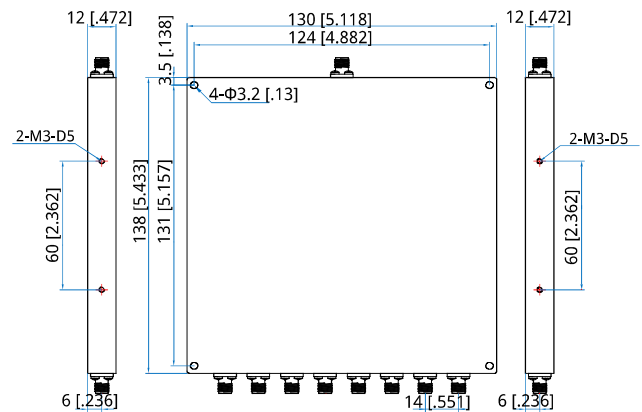
Size*1:	138*130*12mm 5.433*5.118*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole 4-M3, depth 5mm

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-223-235

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-240

8-Way, 240MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	240MHz
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

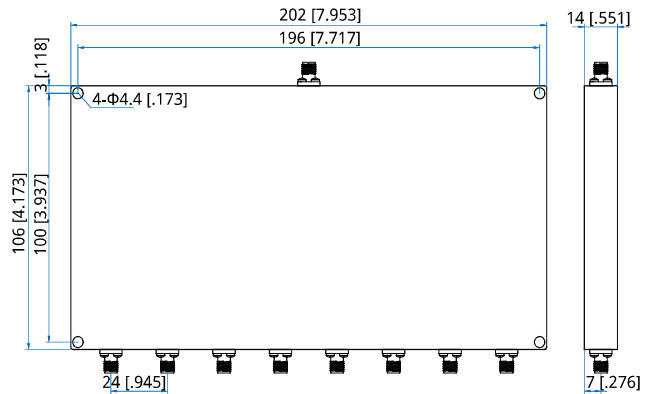
Size*1:	202*106*14mm 7.953*4.173*0.551in
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-240

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-300-500

8-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:	0.8dB 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

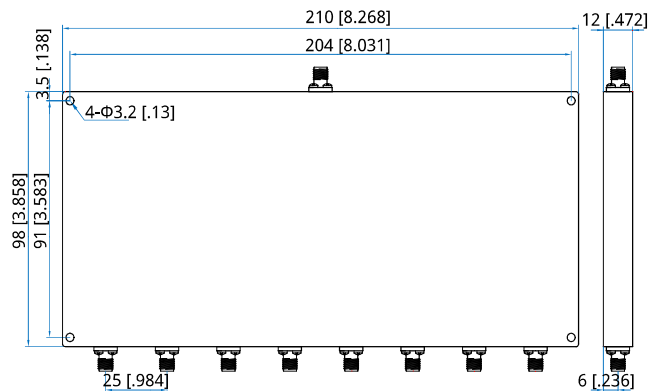
Size*1:	98*210*12mm 3.858*8.268*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-300-500

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-300-3000

8-Way, 0.3~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.3~3GHz
Insertion Loss:	3dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Size*1:	163*120*12mm 6.417*4.724*0.787in
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm 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

NPD8-300-3000

Customization is available upon request.

NPD8-300-3000-NS

8-Way, 0.3~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.3~3GHz
Insertion Loss:	2.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

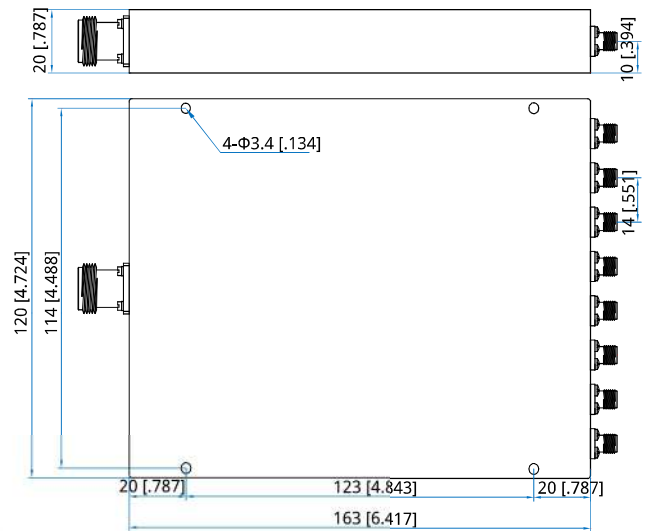
Size*1:	163*120*20mm 6.417*4.724*0.787in
Input Connector:	SMA Female
Output Connector:	N Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-300-3000-NS

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-300-6000-30-S

8-Way, 0.3~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.3~6GHz
Insertion Loss:	5.2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

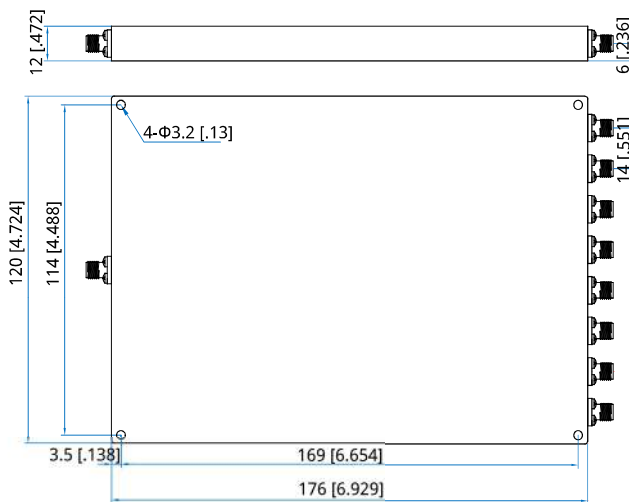
Size*[1]:	176*120*12mm 6.929*4.724*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-300-6000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-400-900-30-B

8-Way, 0.4~0.9GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.4~0.9GHz
Insertion Loss:	0.6dB 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

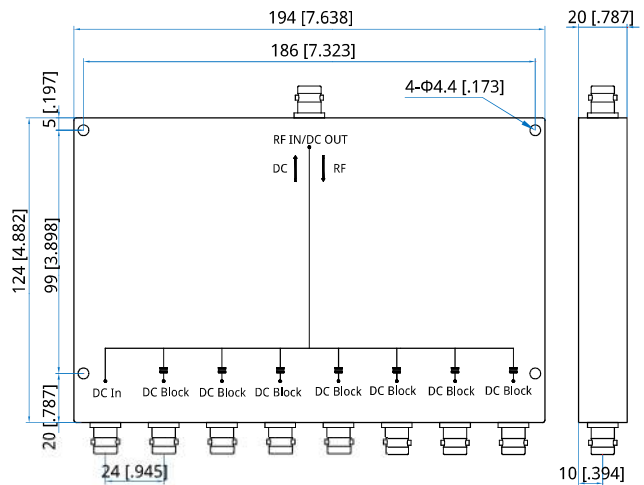
Size*1:	124*194*20mm 4.882*7.638*0.787in
Weight:	900g
Power Supply:	DC
Connectors:	BNC Female
Mounting:	4- Φ 4.4mm through-hole

[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

NPD8-400-900-30-B

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-400-4000

8-Way, 0.4~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.4~4GHz
Insertion Loss:	2.4dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

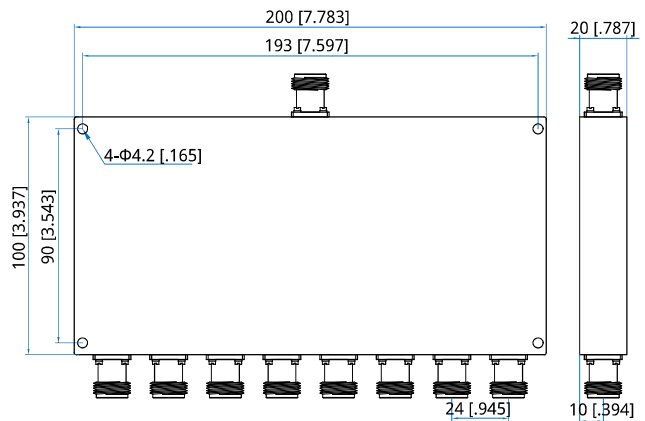
Size*1:	200*100*20mm 7.873*3.937*0.787in
Connectors:	N Female
Mounting:	4- Φ 4.2mm through-hole

[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

NPD8-400-4000

Customization is available upon request.

NPD8-400-6000-30-S

8-Way, 0.4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.4~6GHz
Insertion Loss:	3.2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

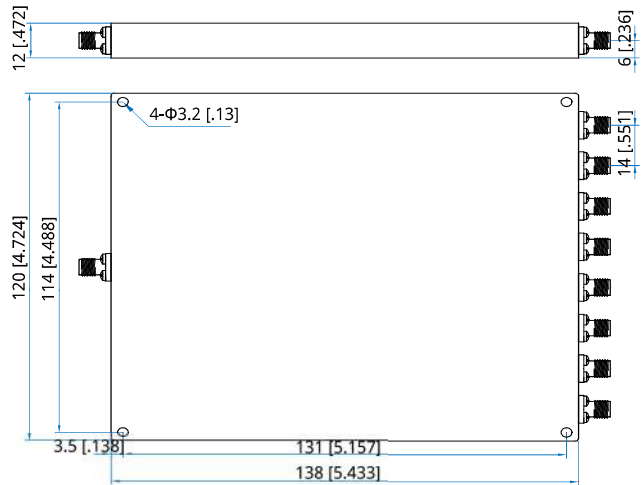
Size*1:	138*120*12mm 5.433*4.724*0.472in
Weight:	447g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-400-6000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-400-6000-80-S

8-Way, 0.4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.4~6GHz
Insertion Loss:	6dB max.
Input VSWR:	1.6 max. (400~500MHz) 1.3 max. (500~6000MHz)
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 6^\circ$
Impedance:	50 Ω
Average Power:	80W max. 5W max. as combiner

Mechanical

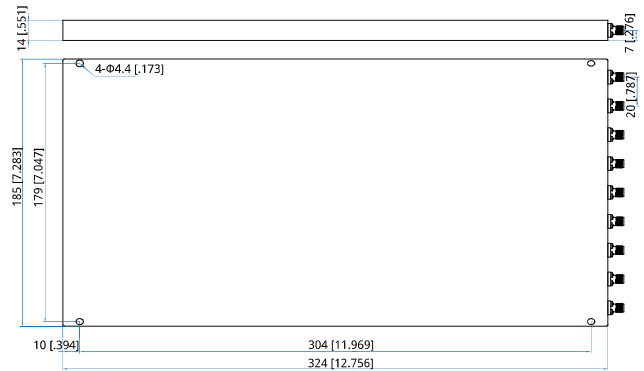
Size*1:	324*185*14mm 12.756*7.283*0.551in
Weight:	1500g
Connectors:	SMA Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-400-6000-80-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-450-6000

8-Way, 0.45~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.45~6GHz
Insertion Loss:	3.2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.3max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

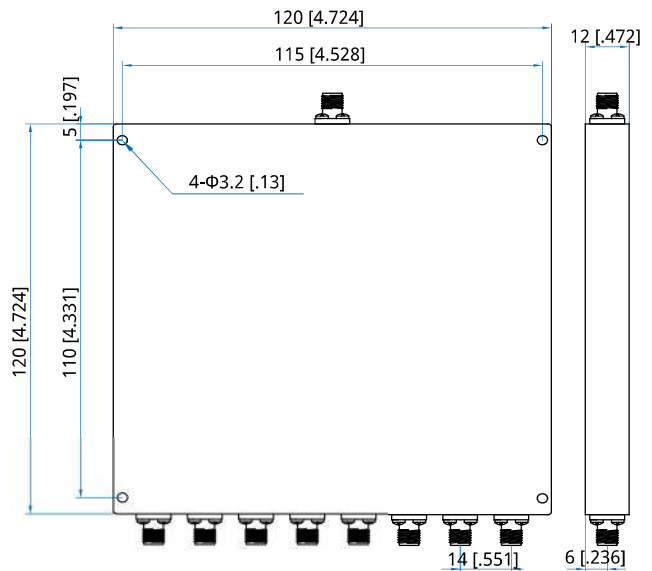
Size*1:	120*120*12mm 4.724*4.724*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-450-6000

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-470-510-10-S

8-Way, 0.47~0.51GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.47~0.51GHz
Insertion Loss:	2dB max.
Isolation:	20dB min.
VSWR:	1.3 max.
Amplitude Balance:	±0.5dB max.
Phase Balance:	±5° max.
Impedance:	50Ω
Average Power:	10W max.

Mechanical

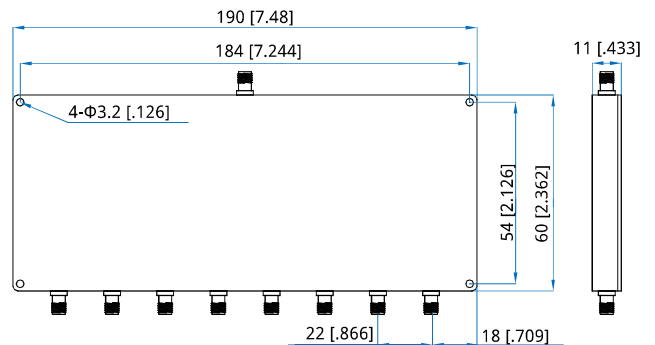
Size*1:	60*190*11mm 2.362*7.480*0.433in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD8-470-510-10-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-470-510-20-S

8-Way, 0.47~0.51GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.47~0.51GHz
Insertion Loss:	1.5dB max.
Isolation:	20dB min.
VSWR:	1.3 max.
Amplitude Balance:	±0.5dB max.
Phase Balance:	±5° max.
Impedance:	50Ω
Average Power:	20W max.

Mechanical

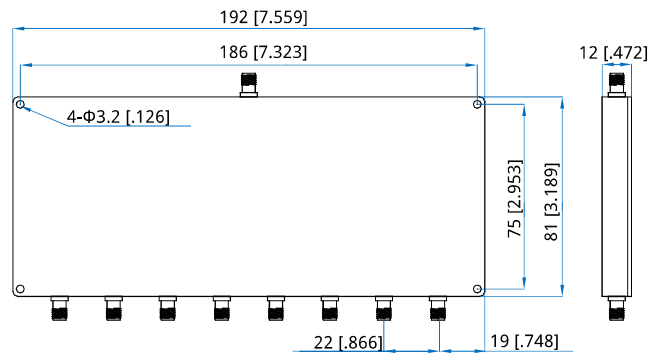
Size*1:	81*192*12mm 3.189*7.559*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD8-470-510-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-500-2000-30-S

8-Way, 0.5~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~2GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

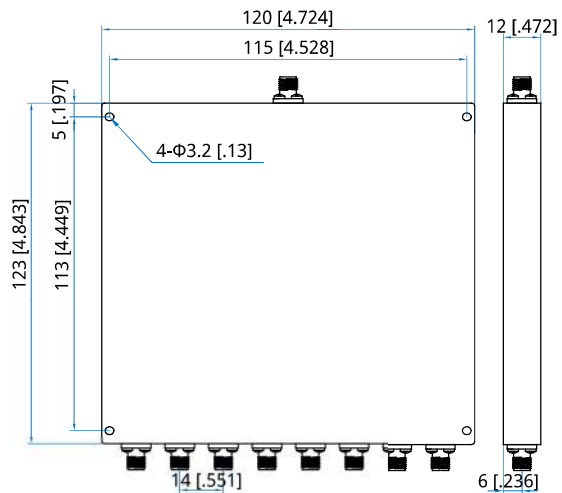
Size*1:	123*120*12mm 4.843*4.724*0.472in
Weight:	420g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-500-2000-30-S

Customization is available upon request.

NPD8-500-3000

8-Way, 0.5~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~3GHz
Insertion Loss:	1.5dB max. (SMA) 1.8dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max. (SMA) ±0.3dB (N)
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ3.2mm through-hole (SMA) 4-Φ4.2mm through-hole (N)
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Environmental

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

NPD8-500-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

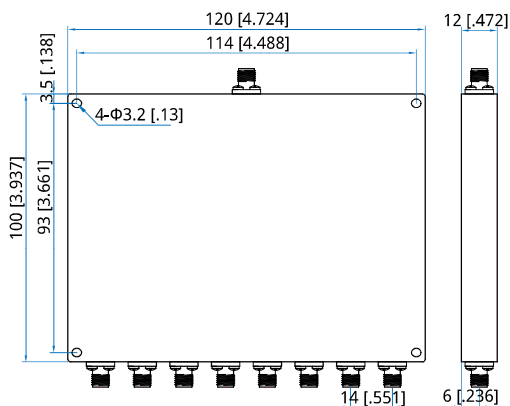
N - N Female (Outline B)

Examples:

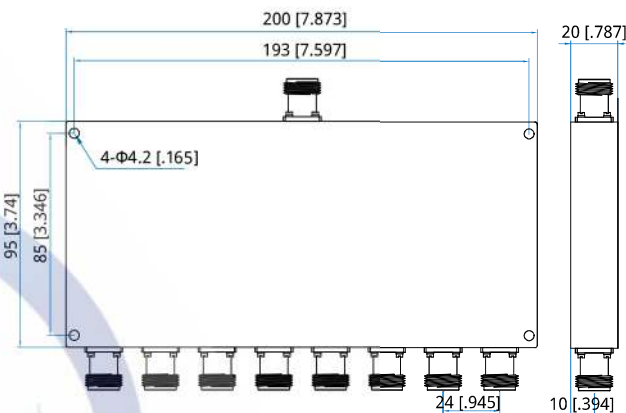
To order a 8-way power divider, 0.5~3GHz, 30W, N female, specify NPD8-500-3000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

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



8-Way Power Divider/Combiner

NPD8-500-4000

8-Way, 0.5~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~4GHz
Insertion Loss:	2.3dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

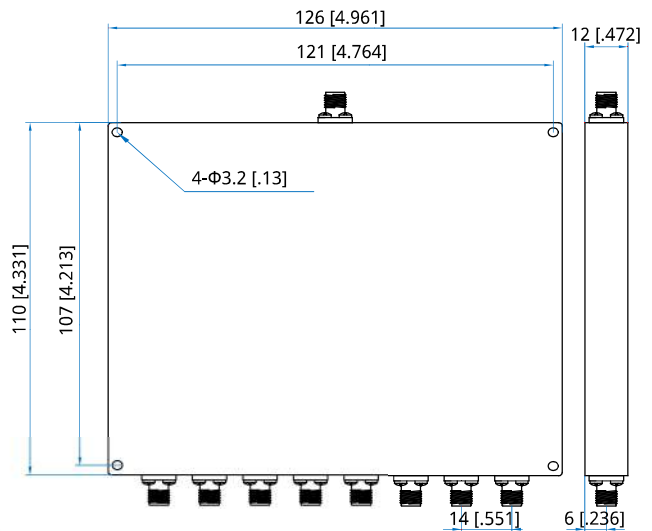
Size*1:	110*126*12mm 4.331*4.961*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-500-4000

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-500-4000-30-NS

8-Way, 0.5~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~4GHz
Insertion Loss:	2.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

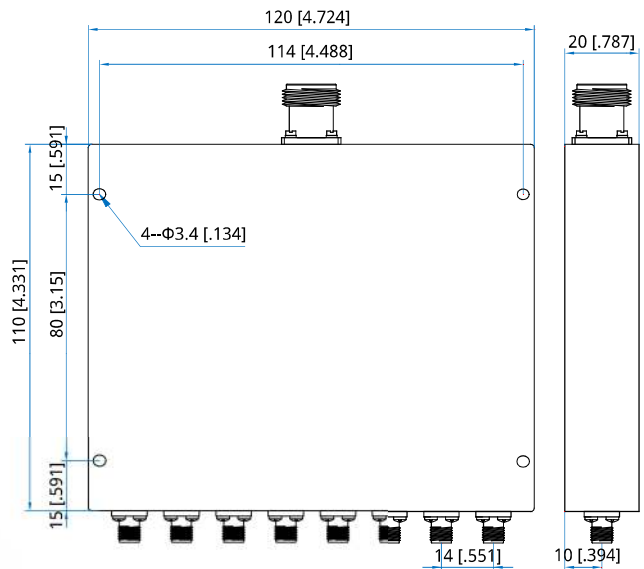
Size*1:	110*120*20mm 4.331*4.724*0.787in
Connectors:	SMA Female N Female
Mounting:	4- Φ 3.4mm through-hole

[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

NPD8-500-4000-30-NS

Customization is available upon request.



8-Way Power Dividers/Combiners

NPD8-500-6000

8-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.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±4° (SMA) ±5° (N)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ3.2mm through-hole (SMA) 4-Φ4.2mm through-hole (N)
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Environmental

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

NPD8-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

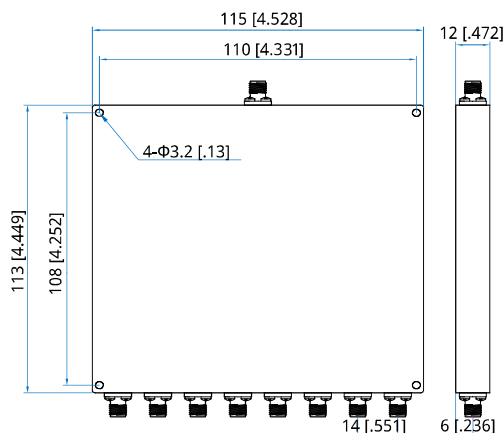
N - N Female (Outline B)

Examples:

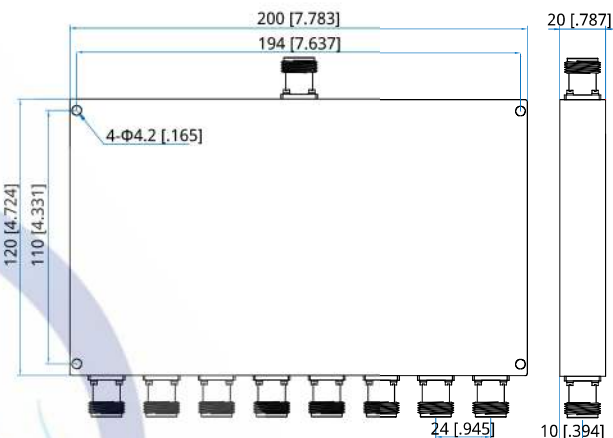
To order a 8-way power divider, 0.5~6GHz, 30W, N female, specify NPD8-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD8-500-8000

8-Way, 0.5~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~8GHz
Insertion Loss:	3.8dB max. (SMA) 6.0dB max. (N)
Input VSWR:	1.45 max.
Output VSWR:	1.3 max.
Isolation:	20dB min. (SMA) 18dB min. (N)
Amplitude Balance:	0.4dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ3.2mm through-hole (SMA) 4-Φ4.2mm through-hole (N)
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Environmental

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

NPD8-500-8000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

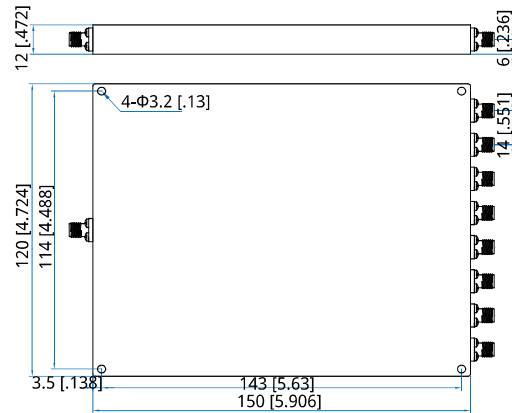
N - N Female (Outline B)

Examples:

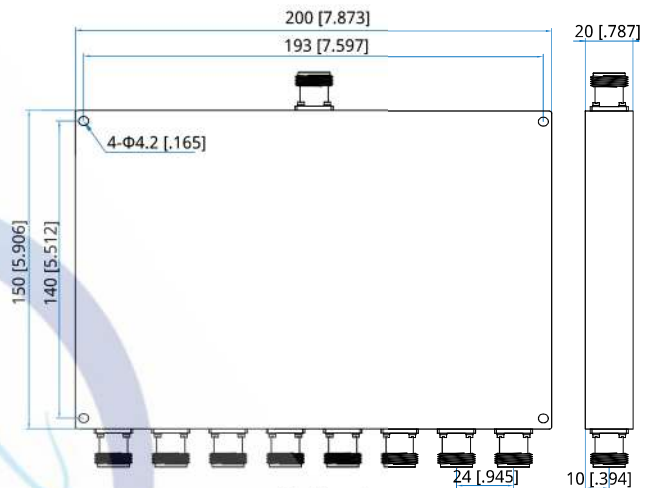
To order a 8-way power divider, 0.5~8GHz, 30W, N female, specify NPD8-500-8000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]



8-Way Power Divider/Combiner

NPD8-500-18000-20-S

8-Way, 0.5~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~18GHz
Insertion Loss:	6dB max.
Input VSWR:	2.0 max.
Output VSWR:	1.6max.
Isolation:	14dB min.
Amplitude Balance:	0.8dB max.
Phase Balance:	±10°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

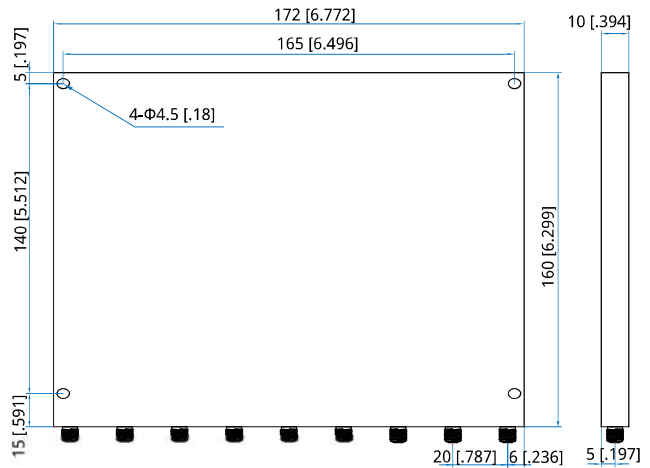
Size*1:	172*160*10mm 6.772*6.299*0.394in
Weight:	678g
Connectors:	SMA Female
Mounting:	4-Φ4.5mm through-hole

[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

NPD8-500-18000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-600-2000

8-Way, 0.6~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~2GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

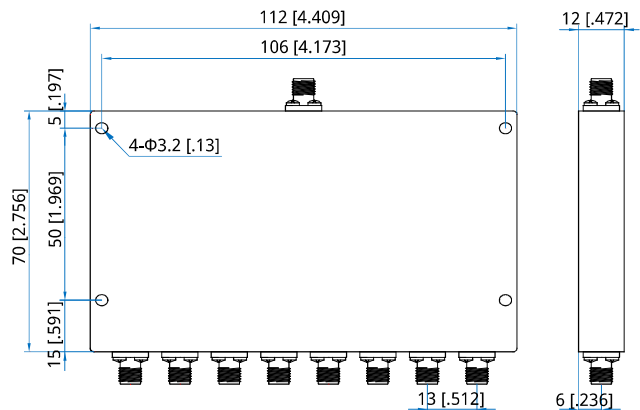
Size*1:	70*112*12mm 2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-600-2000

Customization is available upon request.



8-Way Power Dividers/Combiners

NPD8-600-6000

8-Way, 0.6~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~6GHz
Insertion Loss:	2.8dB max. (SMA) 3.2dB max. (N)
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min. (SMA) 18dB min. (N)
Amplitude Balance:	0.4dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ3.2mm through-hole (SMA) 4-Φ4.2mm through-hole (N)
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Environmental

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

NPD8-600-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

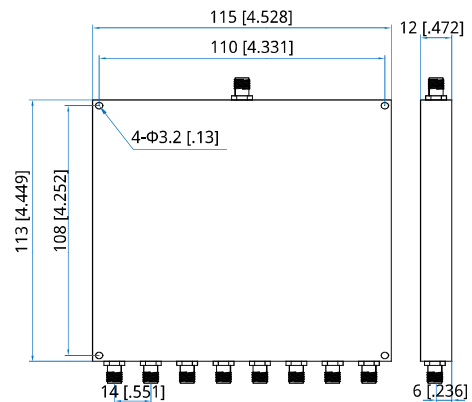
N - N Female (Outline B)

Examples:

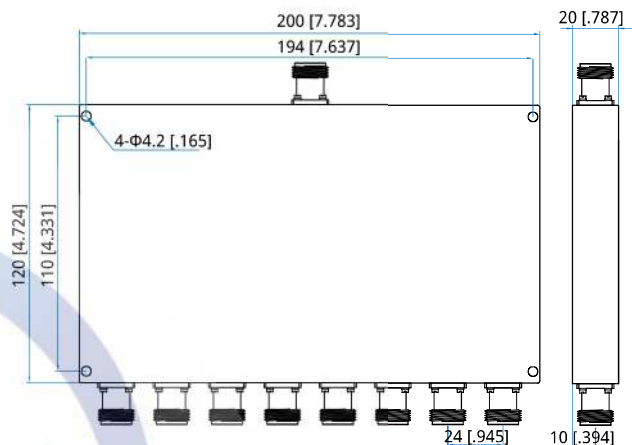
To order a 8-way power divider, 0.6~6GHz, 30W, N female, specify NPD8-600-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

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



8-Way Power Divider/Combiner

NPD8-600-8000-30-S

8-Way, 0.6~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~8GHz
Insertion Loss:	3.6dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

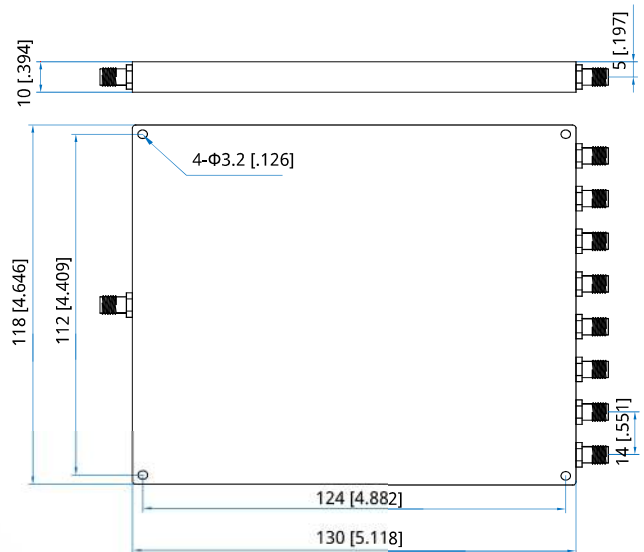
Size*1:	130*118*10mm 5.118*4.646*0.394in
Weight:	370g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-600-8000-30-S

Customization is available upon request.



8-Way Power Dividers/Combiners

NPD8-700-3000

8-Way, 0.7~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~3GHz
Insertion Loss:	1.0dB max. (SMA) 1.2dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max. (SMA) 0.4dB max. (N)
Phase Balance:	±4°
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

NPD8-700-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

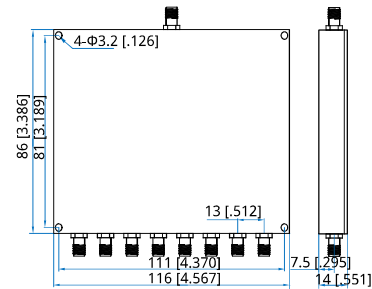
N - N Female (Outline B)

Examples:

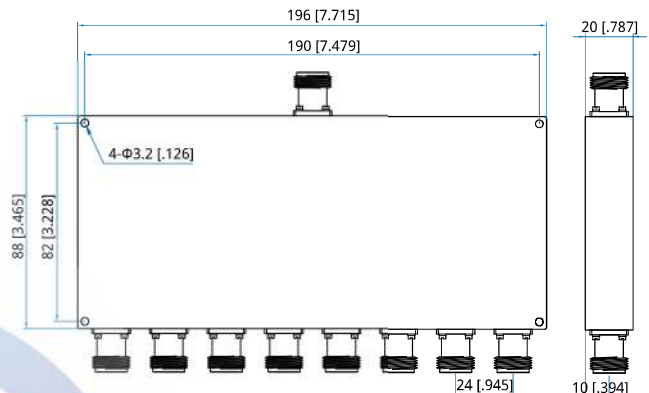
To order a 8-way power divider, 0.7~3GHz, 30W, N female, specify NPD8-700-3000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

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



8-Way Power Divider/Combiner

NPD8-700-4000

8-Way, 0.7~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~4GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	± 0.4 dB
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

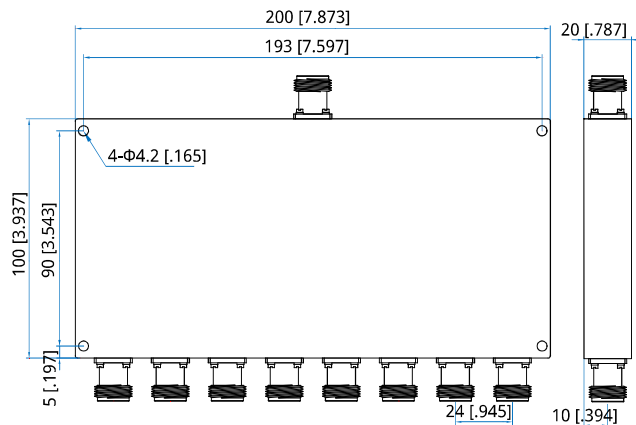
Size*1:	100*200*20mm 3.937*7.874*0.787in
Connectors:	N Female
Mounting:	4- $\Phi 4.2$ mm through-hole

[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

NPD8-700-4000

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-750-1710

8-Way, 0.75~1.71GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.75~1.71GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.2 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

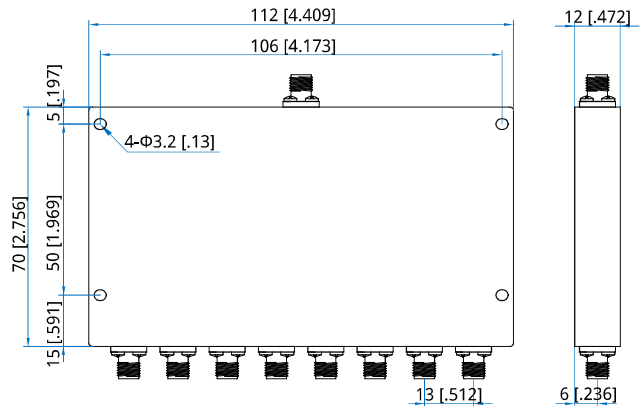
Size*1:	70*112*12mm 2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-750-1710

Customization is available upon request.

NPD8-800-2000-30-S

8-Way, 0.8~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~2GHz
Insertion Loss:	1dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

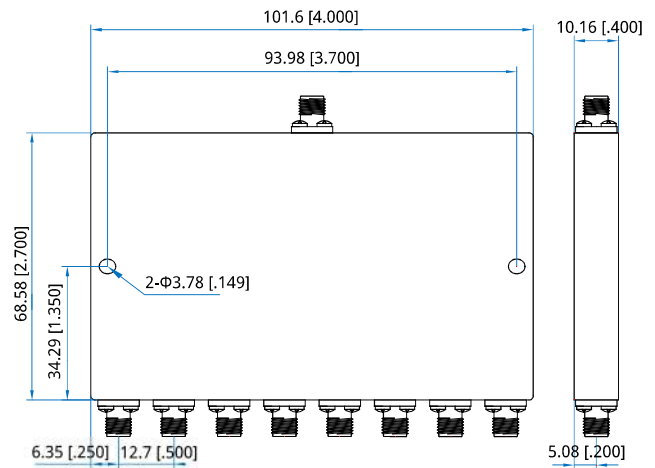
Size*1:	101.6*68.58*10.16mm 4*2.7*0.4in
Weight:	260g
Connectors:	SMA Female
Mounting:	2- $\Phi 3.78$ mm through-hole

[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

NPD8-800-2000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-800-2500-30-N

8-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:	1.4dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

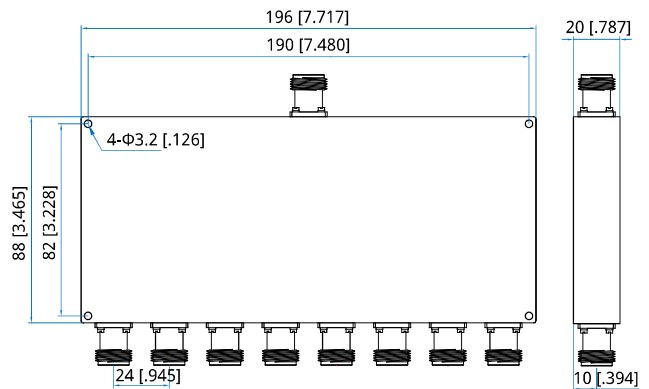
Size*1:	196*88*20mm 7.717*3.465*0.787in
Weight:	835g
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-800-2500-30-N

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-800-2700-30-N

8-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:	1.5dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

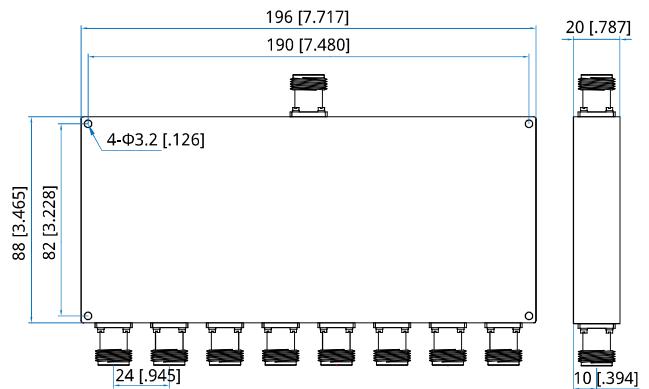
Size*1:	196*88*20mm 7.717*3.465*0.787in
Weight:	835g
Connectors:	N Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-800-2700-30-N

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-800-4200

8-Way, 0.8~4.2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~4.2GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

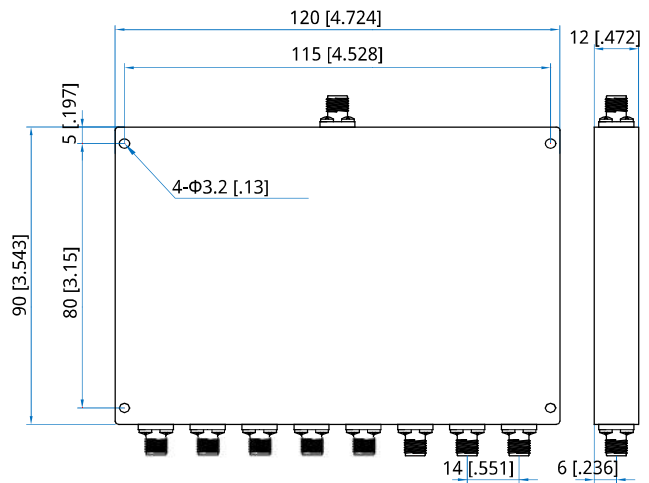
Size*1:	90*120*12mm 3.543*4.724*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-800-4200

Customization is available upon request.

NPD8-800-5000-20-S

8-Way, 0.8~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~5GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±3°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

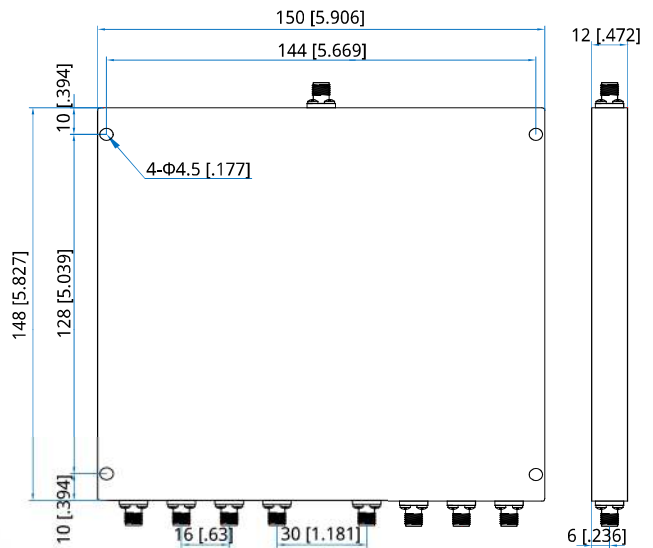
Size*1:	150*148*12mm 5.906*5.827*0.472in
Weight:	600g
Connectors:	SMA Female
Mounting:	4-Φ4.5mm through-hole

[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

NPD8-800-5000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-800-6000-20-S

8-Way, 0.8~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~6GHz
Insertion Loss:	2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 2W max. as combiner

Mechanical

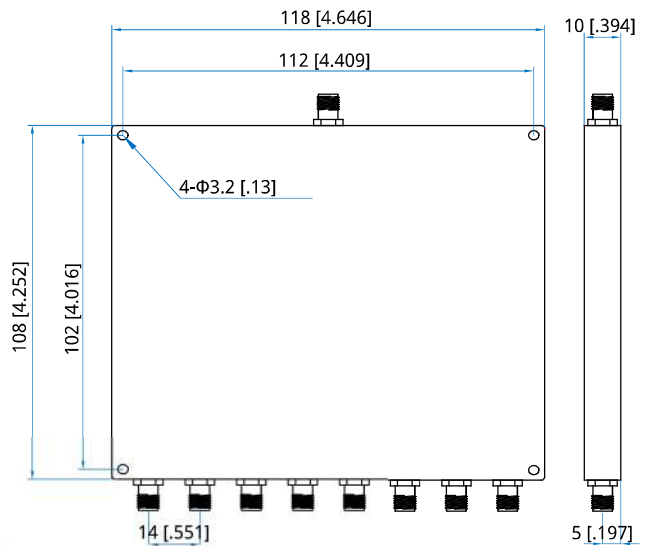
Size*1:	108*118*10mm 4.252*4.646*0.394in
Weight:	320g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-800-6000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-800-8000-30-S

8-Way, 0.8~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~8GHz
Insertion Loss:	3.6dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

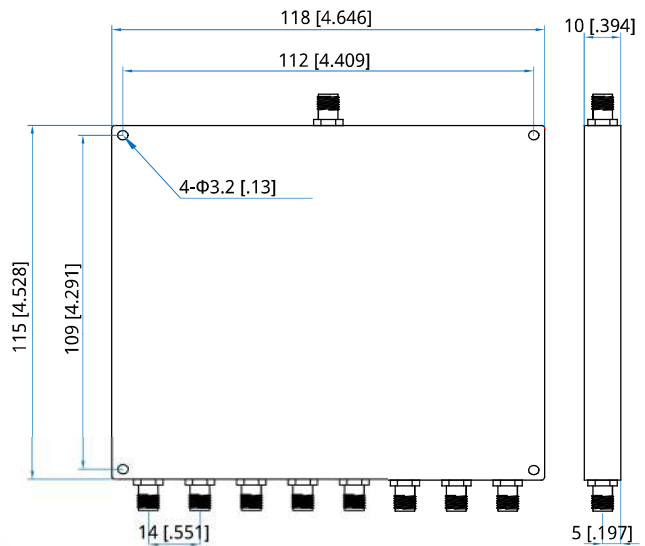
Size*1:	115*118*10mm 4.252*4.646*0.394in
Weight:	350g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-800-8000-30-S

Customization is available upon request.

NPD8-950-2150

8-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:	3dB max. (SMA, N&SMA) 1.2dB max. (N) 0.8dB max. (TNC)
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	30dB min. (SMA, N&SMA) 22dB min. (N) 20dB min. (TNC)
Amplitude Balance:	0.3dB max. (SMA, N&SMA, TNC) 0.4dB max. (N)
Phase Balance:	±3° (SMA, N&SMA, TNC) ±4° (N)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	4-Φ3.2mm through-hole (SMA, N) 4-Φ4.4mm through-hole (TNC) 4-Φ4.5mm through-hole (N&SMA)
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Environmental

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

NPD8-950-2150-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

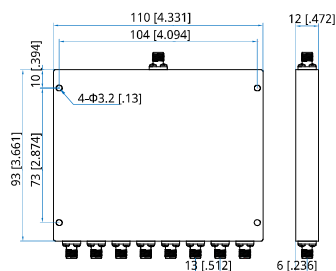
- S - SMA Female (Outline A)
- N - N Female (Outline B)
- T - TNC Female (Outline C)
- NS - N&SMA Female (Outline D)

Examples:

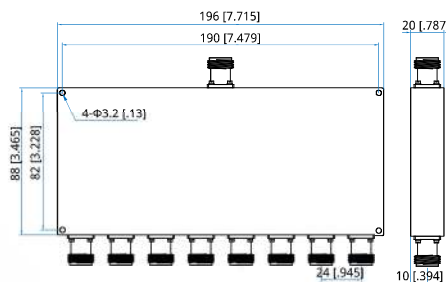
To order a 8-way power divider, 0.95~2.15GHz, 30W, N female, specify NPD8-950-2150-30-N.

Customization is available upon request.

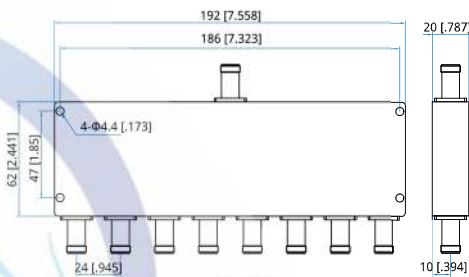
Outline Drawings



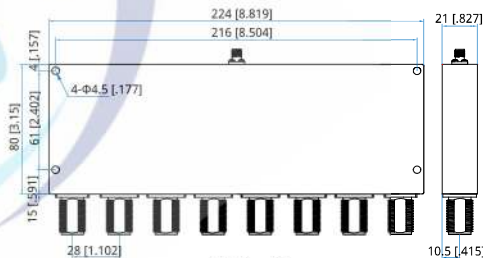
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]



8-Way Power Divider/Combiner

NPD8-1000-1700-30-S

8-Way, 1~1.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~1.7GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

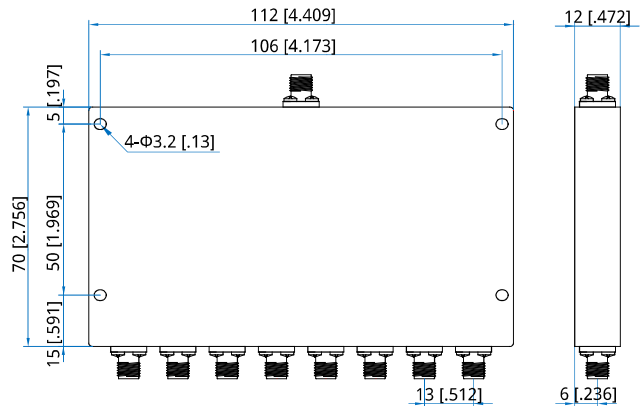
Size*1:	70*112*12mm 2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD8-1000-1700-30-S

Customization is available upon request.

NPD8-1000-3000-30-S

8-Way, 1~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~3GHz
Insertion Loss:	1dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

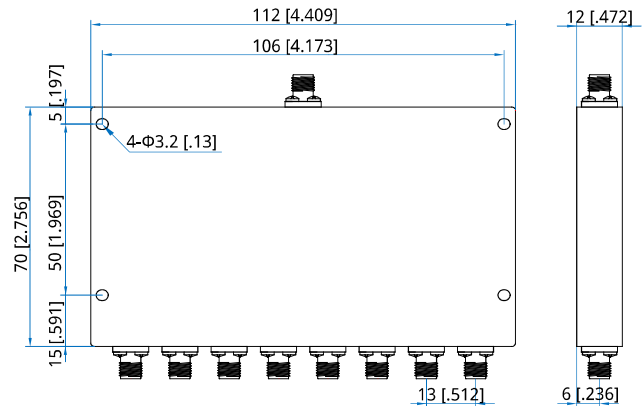
Size*1:	70*112*12mm 2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-1000-3000-30-S

Customization is available upon request.

NPD8-1000-6000-30-S

8-Way, 1~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~6GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

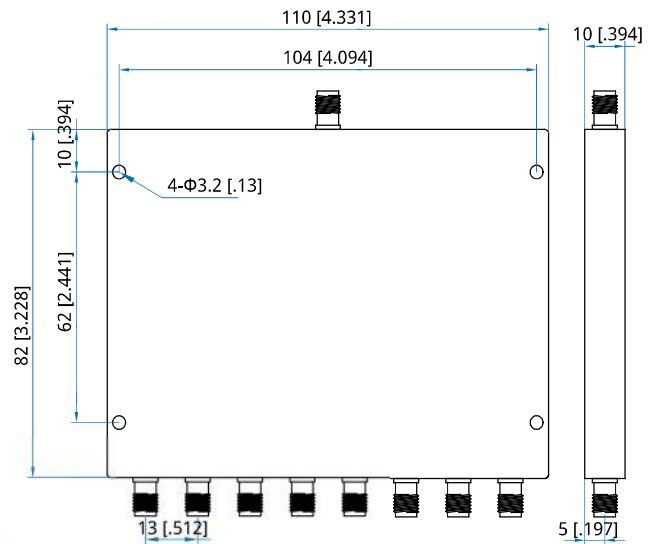
Size*1:	110*82*10mm 4.331*3.228*0.394in
Weight:	300g
Connectors:	SMA Female (Passivated Stainless Steel)
Mounting:	4- Φ 3.2mm through-hole

[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

NPD8-1000-6000-30-S

Customization is available upon request.

NPD8-1000-18000-20-S

8-Way, 1~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~18GHz
Insertion Loss:	4.0dB max.
Input VSWR:	1.8 max.
Output VSWR:	1.5 max.
Isolation:	15dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±10°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

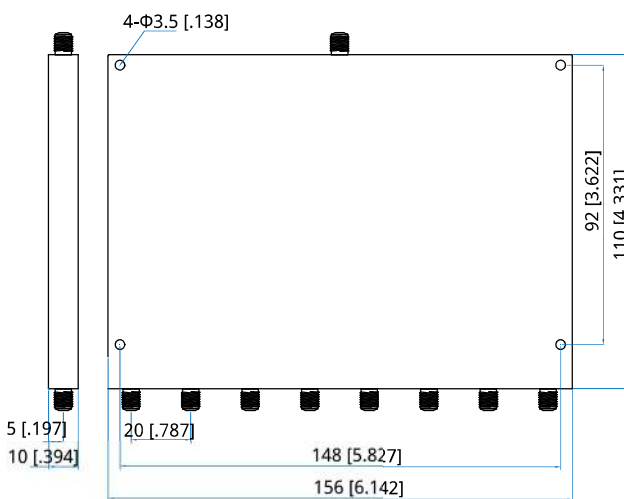
Size*1:	156*110*10mm 6.142*4.331*0.394in
Connectors:	SMA Female
Mounting:	4-Φ3.5mm through-hole

[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

NPD8-1000-18000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-1100-1700-30-T

8-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:	0.8dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	22dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

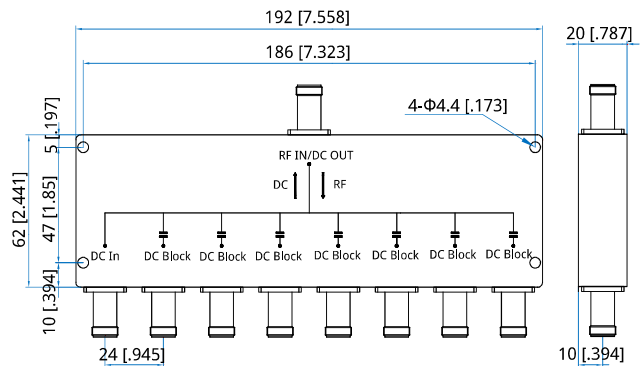
Size*1:	192*62*20mm 7.558*2.441*0.787in
Weight:	595g
Power Supply:	DC
Connectors:	TNC Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-1100-1700-30-T

Customization is available upon request.

NPD8-1500-1700-20-S

8-Way, 1.5~1.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.5~1.7GHz
Insertion Loss:	0.3dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

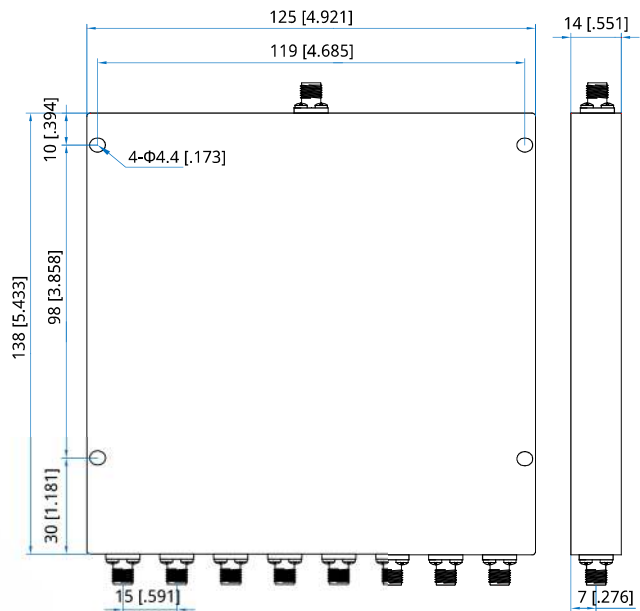
Size*1:	138*125*14mm 5.433*4.921*0.551in
Weight:	750g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-1500-1700-20-S

Customization is available upon request.

NPD8-1500-5000-30-S

8-Way, 1.5~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.5~5GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.3 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

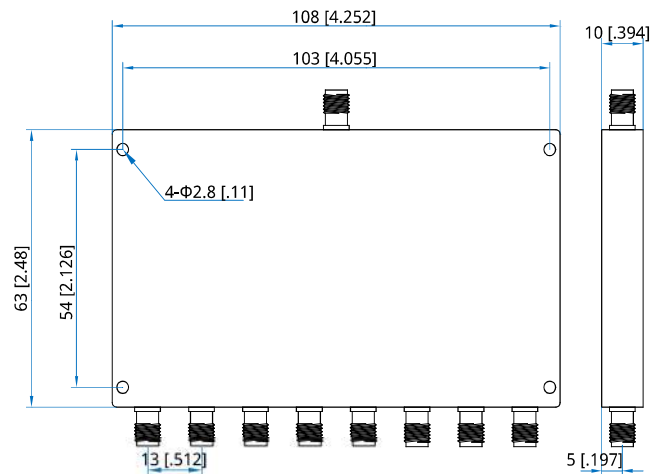
Size*1:	63*108*10mm 2.48*4.252*0.394in
Weight:	160g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-1500-5000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-1525-1850-K1-N

8-Way, 1.525~1.85GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.525~1.85GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

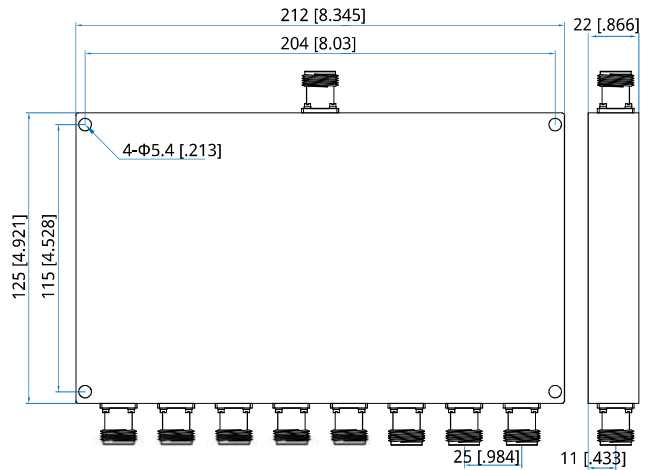
Size*1:	125*212*22mm 4.921*8.345*0.866in
Connectors:	N Female
Mounting:	4- Φ 5.4mm through-hole

[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

NPD8-1525-1850-K1-N

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-1850-2700-K25-N

8-Way, 1.85~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.85~2.7GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	250W max. 15W max. as combiner

Mechanical

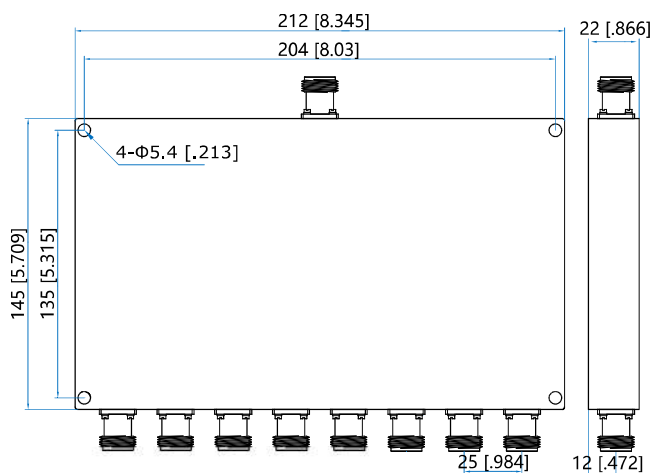
Size*1:	145*212*22mm 5.709*8.345*0.866in
Connectors:	N Female
Mounting:	4- Φ 5.4mm through-hole

[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

NPD8-1850-2700-K25-N

Customization is available upon request.



8-Way Power Dividers/Combiners

NPD8-2000-6000

8-Way, 2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~6GHz
Insertion Loss:	1dB max. (SMA) 1.2dB max. (N)
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min. (SMA) 20dB min. (N)
Amplitude Balance:	0.3dB max. (SMA) 0.4dB max. (N)
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

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

Operation Temperature:	-40~+75°C
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How To Order

NPD8-2000-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

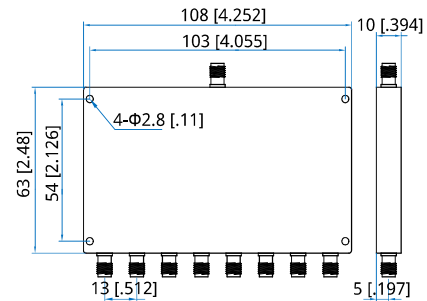
N - N Female (Outline B)

Examples:

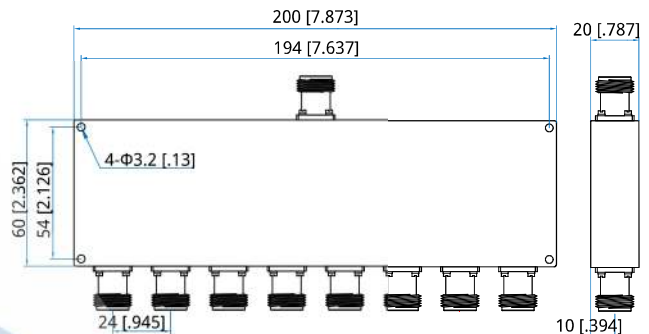
To order a 8-way power divider, 2~6GHz, 30W, N female, specify NPD8-2000-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD8-2000-8000-30-S

8-Way, 2~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~8GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

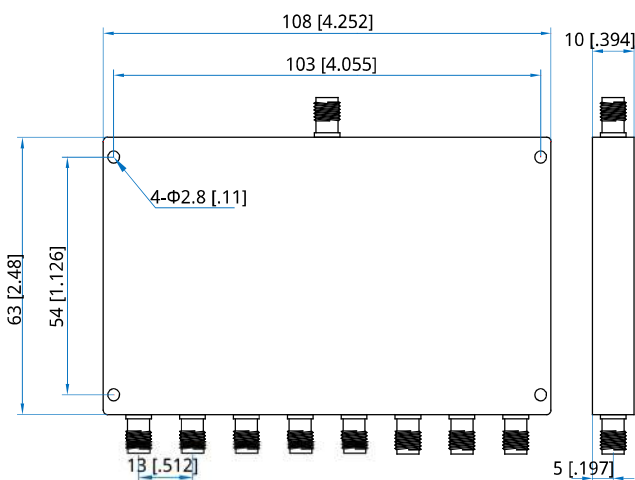
Size*1:	63*108*10mm 2.48*4.252*0.394in
Weight:	160g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-2000-8000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-2000-10000-30-S

8-Way, 2~10GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~10GHz
Insertion Loss:	2.0dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

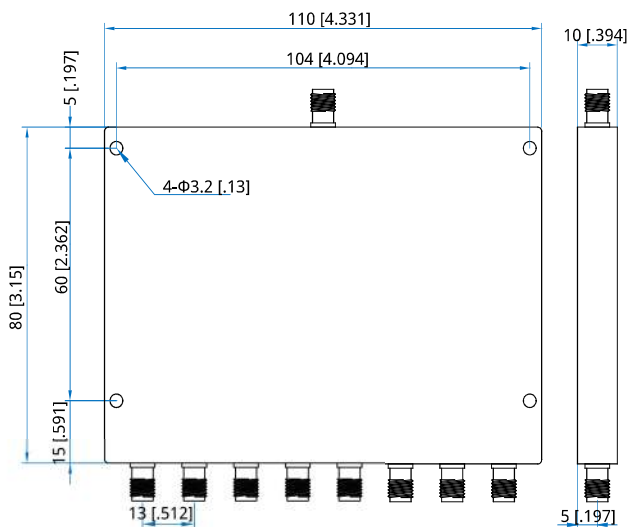
Size*1:	80*110*10mm 3.15*4.331*0.394in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD8-2000-10000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-2000-18000-20-S

8-Way, 2~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~18GHz
Insertion Loss:	3.2dB max.
Input VSWR:	1.6 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 10^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

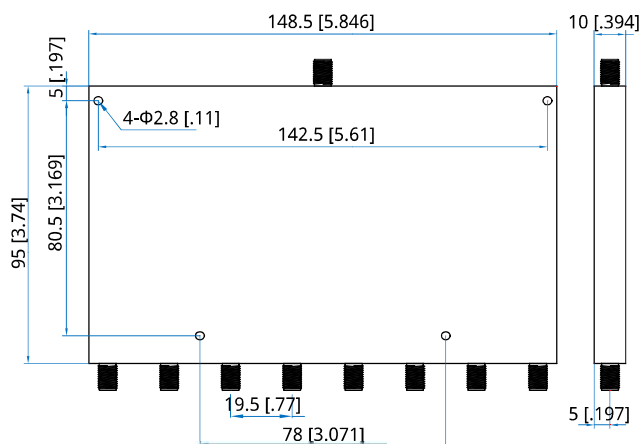
Size*1:	148.5*95*10mm 5.846*3.74*0.394in
Weight:	345g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[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

NPD8-2000-18000-20-S

Customization is available upon request.

NPD8-2000-26500

8-Way, 2~26.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~26.5GHz
Insertion Loss:	3.2dB max.
Input VSWR:	1.9 max.
Output VSWR:	1.6 max.
Isolation:	16dB min.
Amplitude Balance:	±0.8dB
Phase Balance:	±10°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

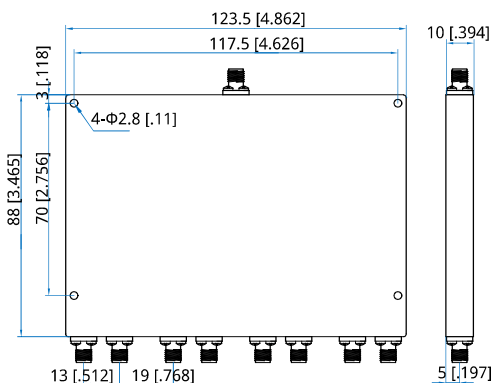
Size*1:	88*123.5*10mm 3.465*4.862*0.394in
Connectors:	SMA Female or 2.92mm Female
Mounting:	4-Φ2.8mm through-hole

[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

NPD8-2000-26500-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female

K - 2.92mm Female

Examples:

To order a 8-way power divider, 2~26.5GHz, 20W, 2.92mm female, specify NPD8-2000-26500-20-K.

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-2400-6000-30-S

8-Way, 2.4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2.4~6GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.22 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

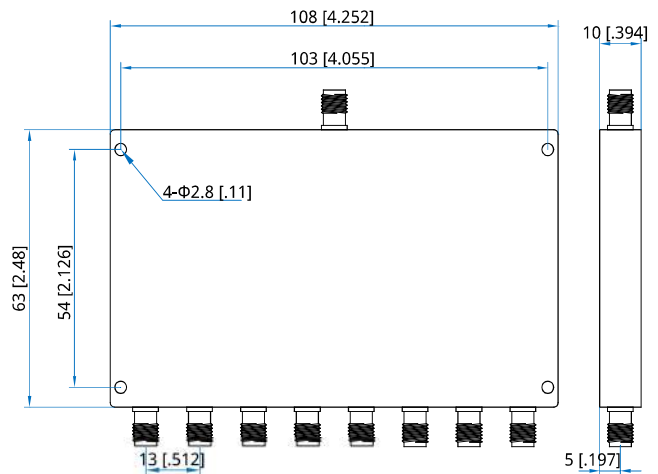
Size*1:	63*108*10mm 2.48*4.252*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[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

NPD8-2400-6000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-3000-13000-20-S

8-Way, 3~13GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	3~13GHz
Insertion Loss:	2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

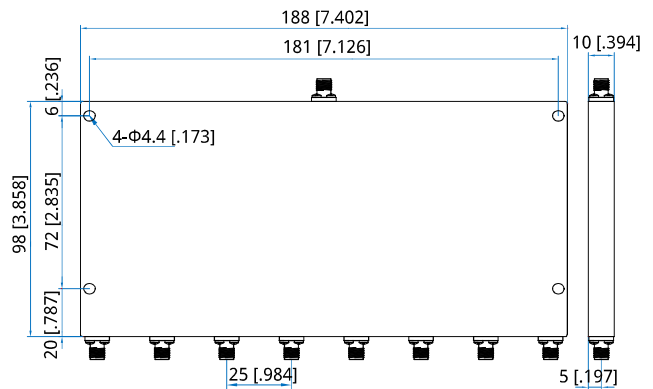
Size*1:	188*98*10mm 7.402*3.858*0.394in
Weight:	900g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-3000-13000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-4000-6000-30-S

8-Way, 4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	4~6GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

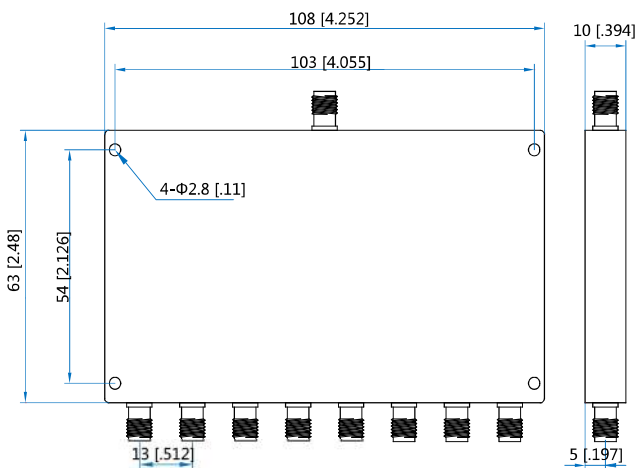
Size*1:	63*108*10mm 2.48*4.252*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[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

NPD8-4000-6000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-4000-8000-30-S

8-Way, 4~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	4~8GHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	± 0.3 dB
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

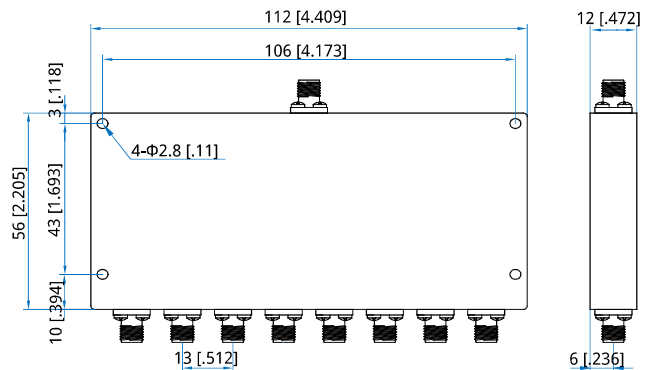
Size*1:	56*112*12mm 2.205*4.409*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[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

NPD8-4000-8000-30-S

Customization is available upon request.

NPD8-4000-12000-20-S

8-Way, 4~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	4~12GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	0.2dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

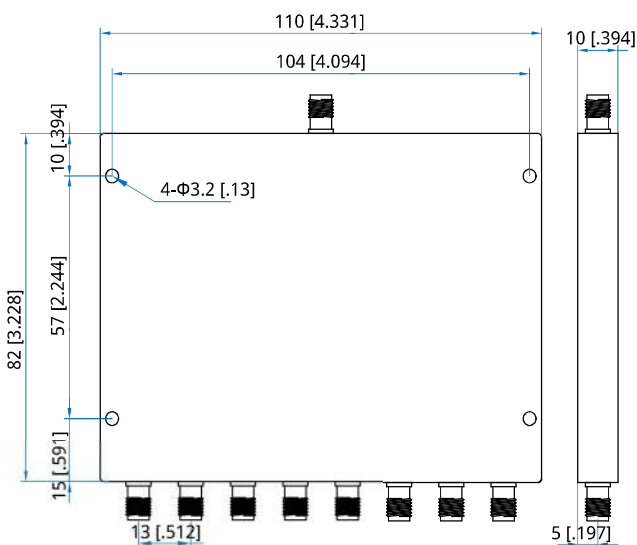
Size*1:	110*82*10mm 4.331*3.228*0.394in
Weight:	300g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-4000-12000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-4900-5900-30-S

8-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:	0.8dB 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:	30W max. 2W max. as combiner

Mechanical

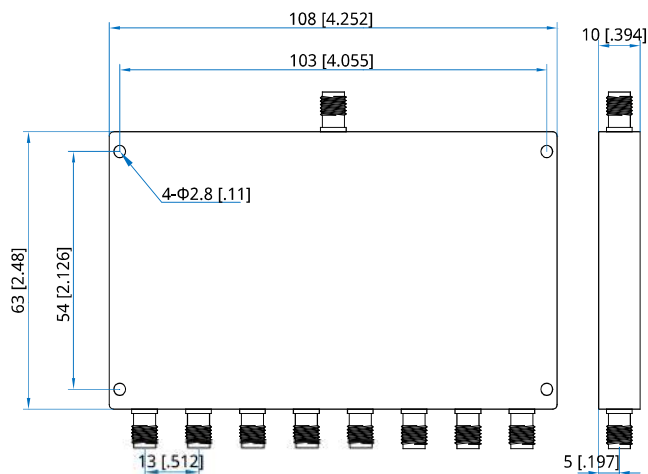
Size*1:	63*108*10mm 2.48*4.252*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[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

NPD8-4900-5900-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-5000-12000-20-S

8-Way, 5~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5~12GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.5dB
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

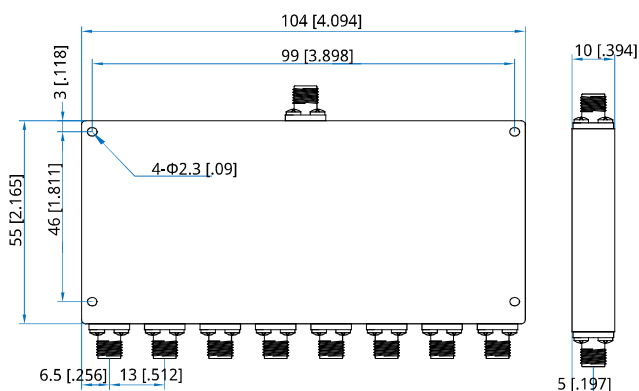
Size*1:	55*104*10mm 2.165*4.094*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 2.3mm through-hole

[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

NPD8-5000-12000-20-S

Customization is available upon request.

NPD8-6000-12000-20-SM

8-Way, 6~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	6~12GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

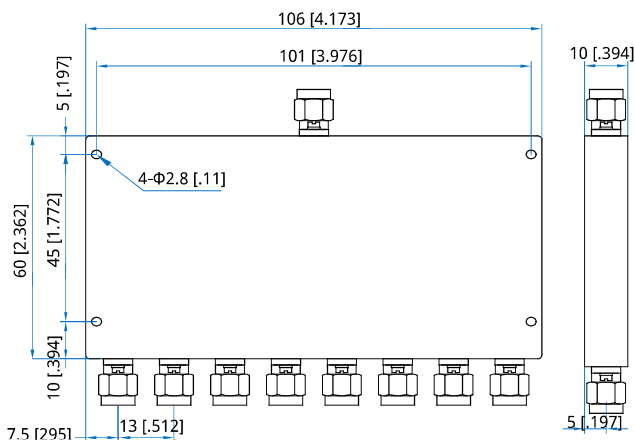
Size*1:	60*106*10mm 2.362*4.173*0.394in
Connectors:	SMA Male
Mounting:	4-Φ2.8mm through-hole

[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

NPD8-6000-12000-20-SM

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-6000-18000-50-S

8-Way, 6~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	6~18GHz
Insertion Loss:	2.4dB max.
VSWR:	1.8 max.
Isolation:	17dB min.
Amplitude Balance:	± 0.5 dB max.
Phase Balance:	$\pm 8^\circ$ max.
Impedance:	50 Ω
Average Power:	50W

Mechanical

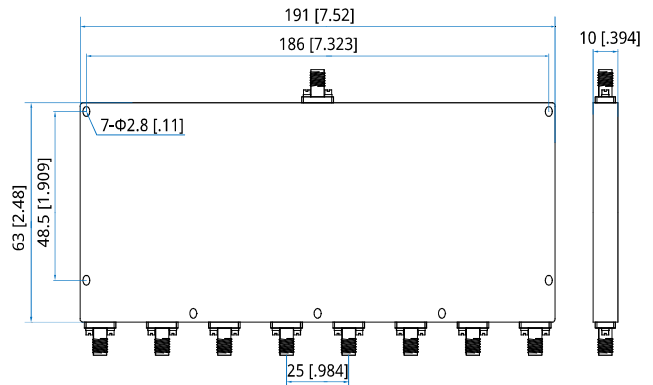
Size*1:	191*63*10mm 7.52*2.48*0.394in
Connectors:	SMA Female
Mounting:	7- $\Phi 2.8$ mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-6000-18000-50-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-6000-43500-20-K

8-Way, 6~43.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	6~43.5GHz
Insertion Loss:	3.2dB max.
Input VSWR:	2.2 max.
Output VSWR:	1.6 max.
Isolation:	15dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

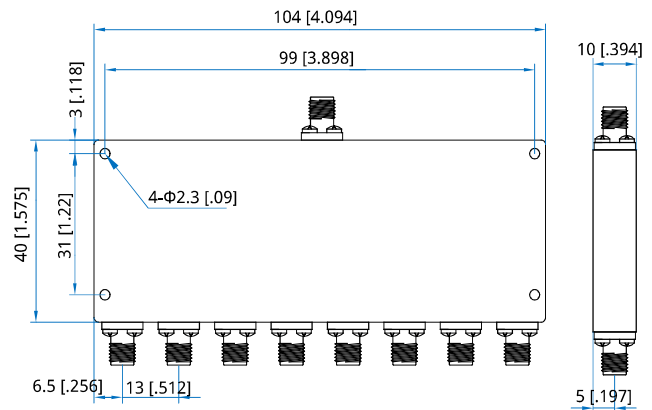
Size*1:	40*104*10mm 1.575*4.094*0.394in
Connectors:	2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[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

NPD8-6000-43500-20-K

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-8000-12000-20-S

8-Way, 8~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	8~12GHz
Insertion Loss:	1.4dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

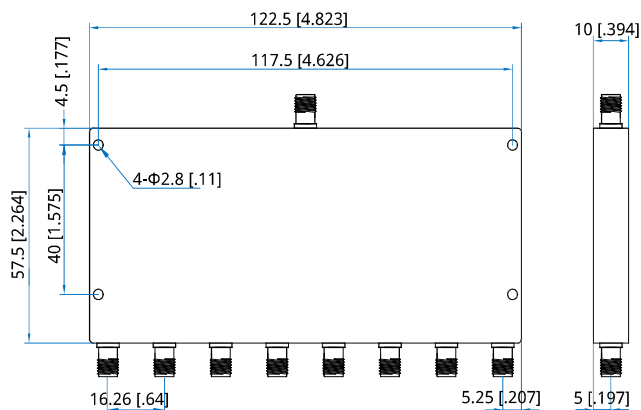
Size*1:	57.5*122.5*10mm 2.264*4.823*0.394in
Weight:	190g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-8000-12000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-9000-11000-20-S

8-Way, 9~11GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	9~11GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 5^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

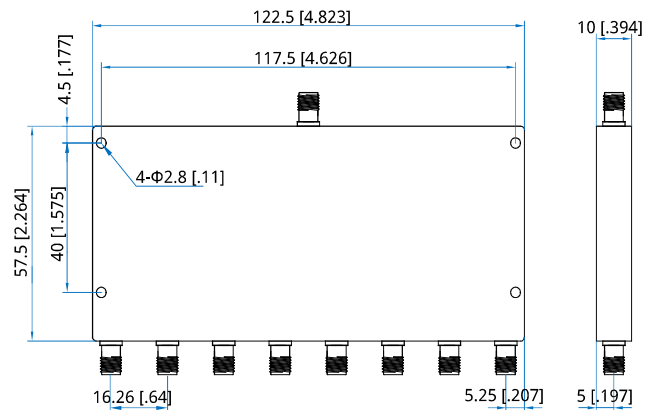
Size*1:	57.5*122.5*10mm 2.264*4.823*0.394in
Weight:	190g
Connectors:	SMA Female
Mounting:	4- Φ 2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-9000-11000-20-S

Customization is available upon request.

NPD8-9000-45000-R1-2

8-Way, 9~45GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	9~45GHz
Insertion Loss:	7dB typ.
Isolation:	15dB typ.
VSWR:	1.4 typ.
Amplitude Balance:	±1dB typ.
Phase Balance:	±20° typ.
Average Power:	0.1W max.
Impedance:	50Ω

Mechanical

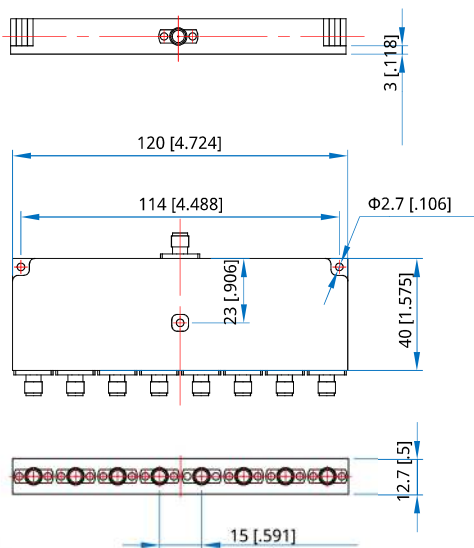
Size*1:	120*40*12.7mm 4.7241.575**0.5in
Weight:	200g max.
Connectors:	2.4mm Female
Mounting:	3-Φ2.7mm through hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-9000-45000-R1-2

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-18000-40000-20-K

8-Way, 18~40GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	18~40GHz
Insertion Loss:	3.2dB max.
Input VSWR:	1.7 max.
Output VSWR:	1.6 max.
Isolation:	16dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

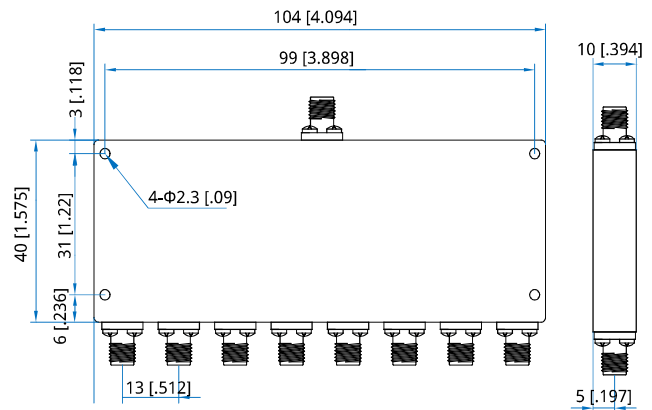
Size*1:	40*104*10mm 1.575*4.094*0.394in
Weight:	138g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-18000-40000-20-K

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-18600-26500-20-K

8-Way, 18.6~26.5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	18.6~26.5GHz
Insertion Loss:	2.4dB max.
Input VSWR:	1.8 max.
Output VSWR:	1.6 max.
Isolation:	15dB min.
Amplitude Balance:	±0.6dB
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

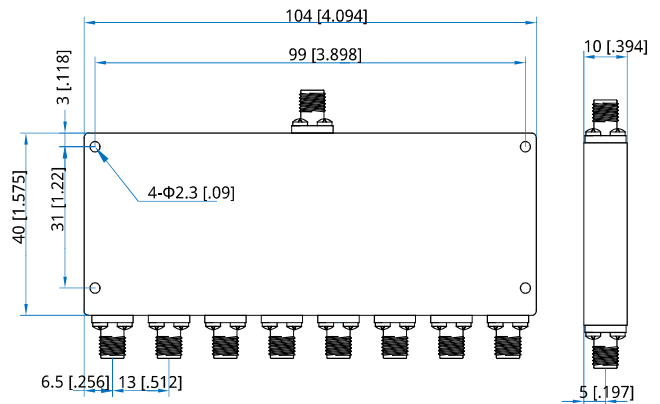
Size*1:	40*104*10mm 1.575*4.094*0.394in
Connectors:	2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[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

NPD8-18000-26500-20-K

Customization is available upon request.



8-Way Power Divider/Combiner

NPD8-50000-66000-R1

8-Way, 50~66GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	50~66GHz
Insertion Loss:	6dB typ.
Isolation:	15dB typ.
VSWR:	1.4 typ.
Amplitude Balance:	± 1 dB typ.
Phase Balance:	$\pm 20^\circ$ typ.
Average Power:	0.1W max.

Mechanical

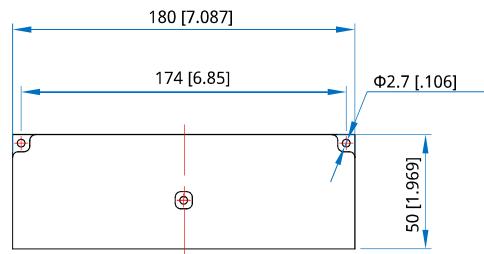
Size*1:	180*50*20mm 7.087*1.969*0.787in
Weight:	400g max.
Interface:	WR-15
Mounting:	3- $\Phi 2.7$ mm through hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-50000-66000-R1

Customization is available upon request.