



8-Way Resistive Power Divider

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

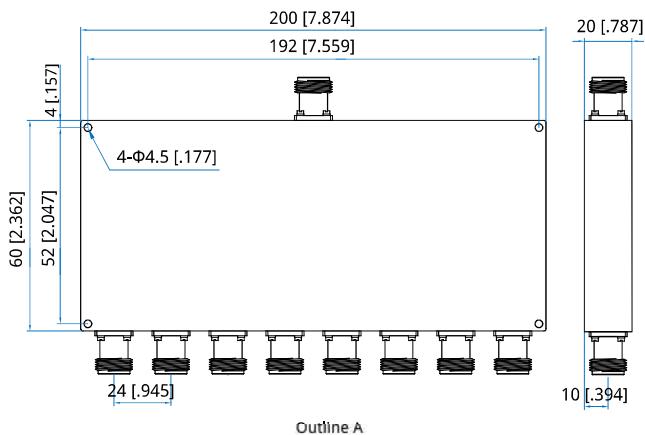
[1] Exclude connectors.

[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:

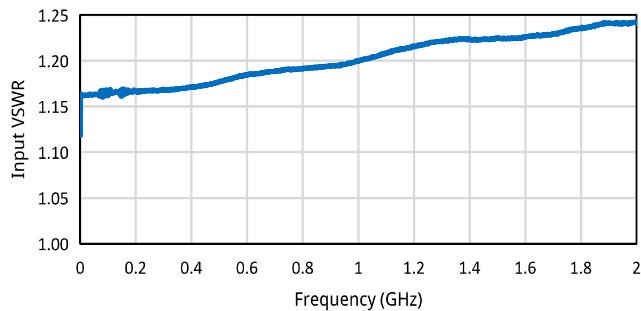
To order a 8-way power divider, 0~2GHz, 2W, N female, specify NPD8-0-2000-2-N.

Customization is available upon request.

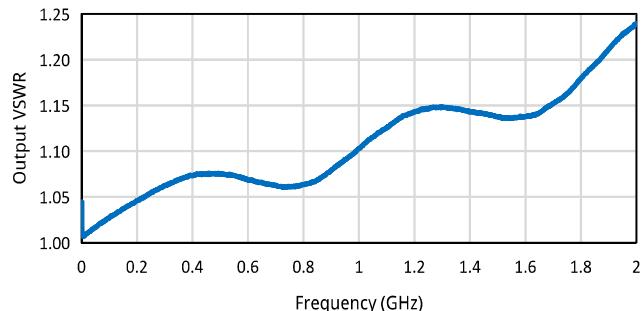


8-Way Resistive Power Divider

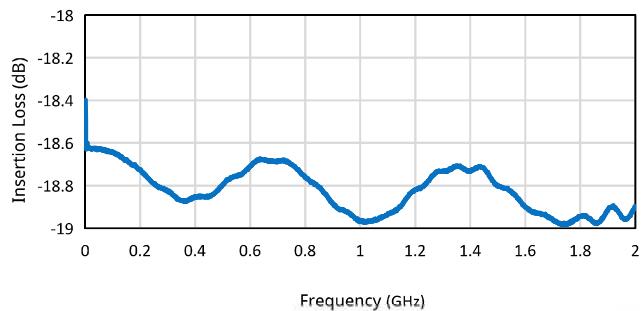
Input VSWR vs. Frequency



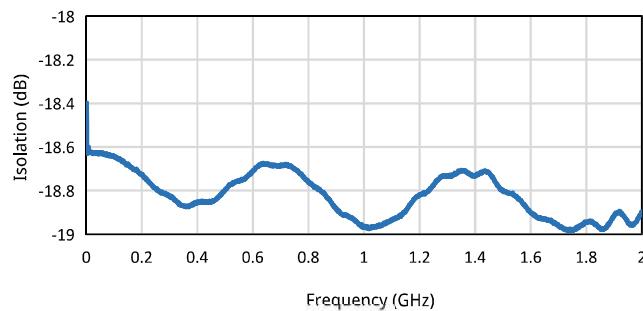
Output VSWR vs. Frequency



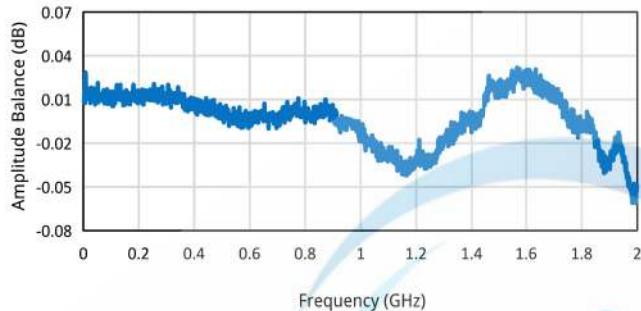
Insertion Loss vs. Frequency



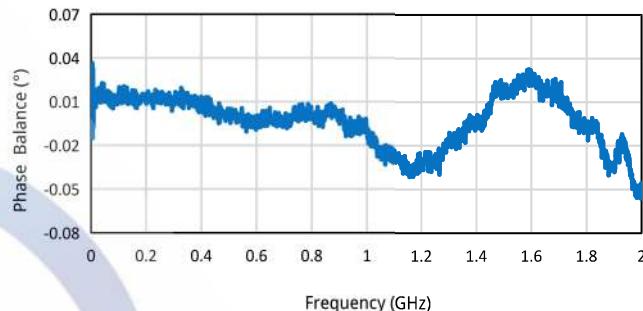
Isolation vs. Frequency



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) ±0.6dB (N)
Phase Balance:	±5° (SMA) ±8° (N)
Impedance:	50Ω
Average Power:	2W

Mechanical

Mounting: 4-Φ3.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD8-0-3000-X-Y

X: Average power

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

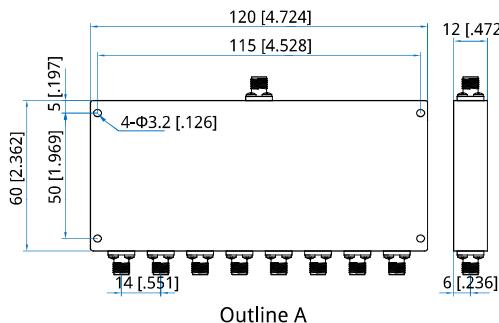
N - N Female (Outline B)

Examples:

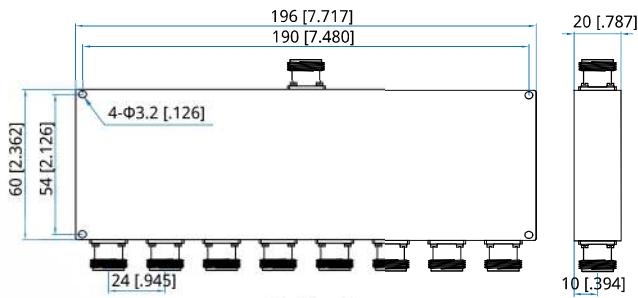
To order a 8-way resistive power divider, DC~3GHz, 2W, N female,
specify NPD8-0-3000-2-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]



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:	50Ω
Average Power:	2W

Mechanical

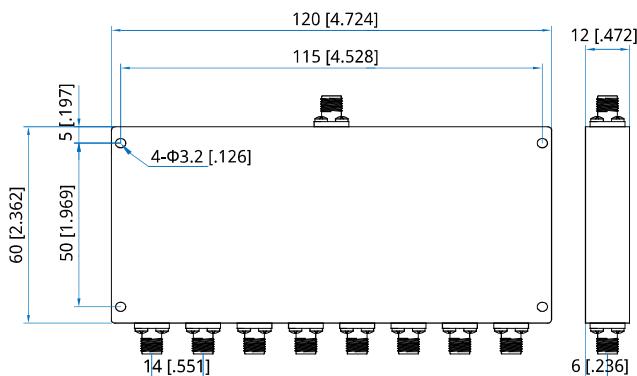
Size ^{*1} :	120*60*12mm
	4.724*2.362*0.472in
Weight:	211g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-0-4000-2-S

Customization is available upon request.



8-Way Resistive Power Divider

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

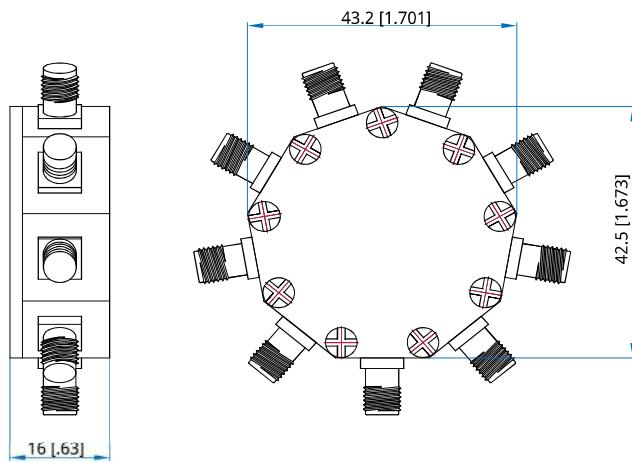
Size ^{*1} :	43.2*42.5*16mm
	1.701*1.673*0.63in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

[NPD8-0-6000-2-S](#)

Customization is available upon request.



8-Way Resistive Power Divider

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

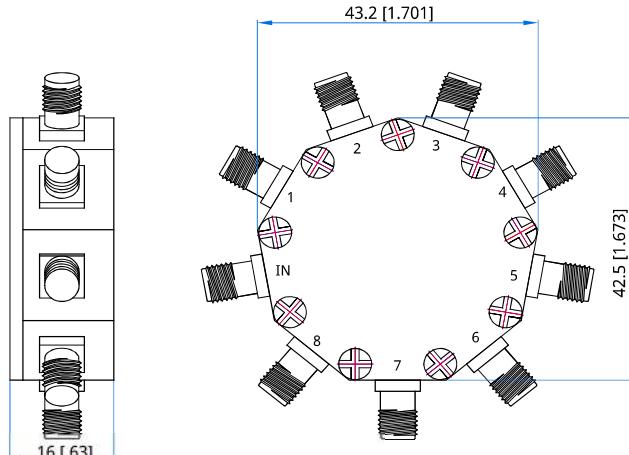
Size ^{*1} :	43.2*42.5*16mm
	1.701*1.673*0.63in
Connectors:	SMA Female

[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.



8-Way Resistive Power Divider

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 ± 2.8 dB max.
VSWR:	1.6 max.
Amplitude Balance:	± 2.0 dB max.
Impedance:	50Ω
Power Handling:	0.5W

Mechanical

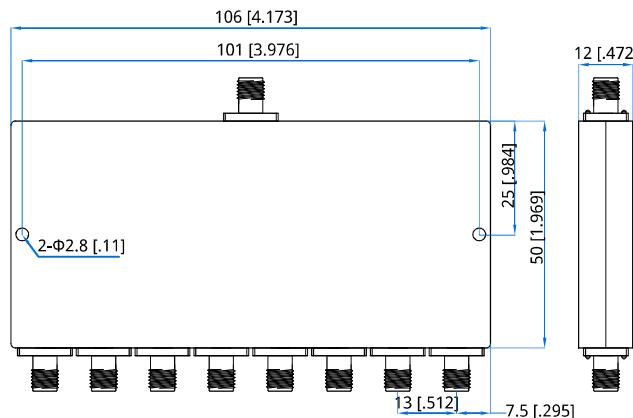
Size⁺¹: 106*50*12mm
4.173*1.969*0.472in
Connectors: SMA Female
Mounting: 2-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

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

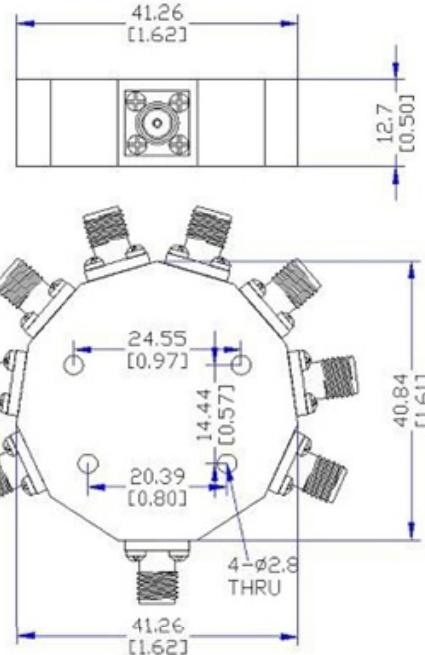
[1] Exclude connectors.

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.



8-Way Resistive Power Divider

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:	$\pm 1.4\text{dB}$
Impedance:	50Ω
Average Power:	1W

Mechanical

Size^{*1}: 60.5*92.5*10mm
2.37*3.642*0.394in

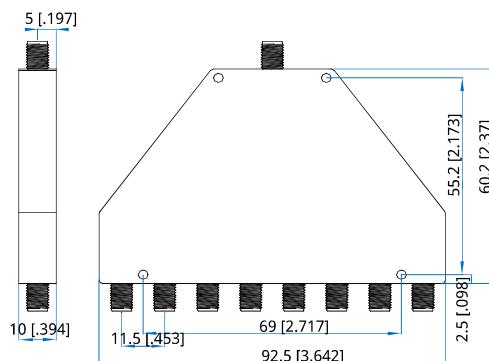
Connectors: SMA Female

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-0-18000-1-S

Customization is available upon request.



NPD8-0-18000-2-S

8-Way, DC~18GHz, 1W

Features:

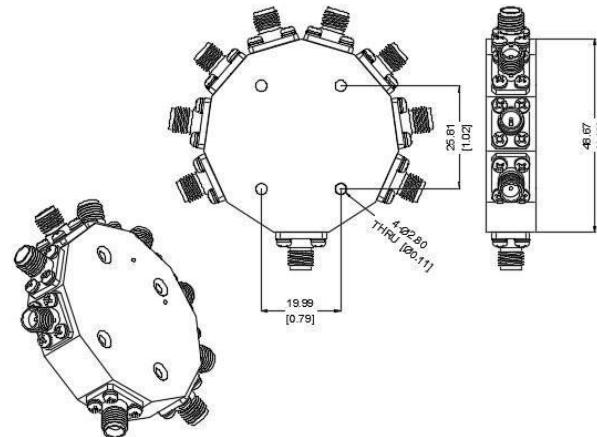
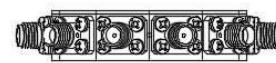
- * Small Size
- * Low Insertion Loss

Applications:

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

8-Way Resistive Power Divider

Outline Drawings



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.

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

How To Order

NPD8-0-18000-2-S

Customization is available upon request.

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 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:	50Ω
Average Power:	1W max.
	0.5W max. as combiner

Mechanical

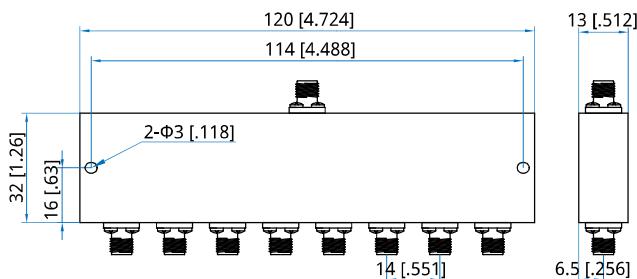
Size ^{*1} :	120*32*13mm
	4.724*1.26*0.512in
Weight:	200g
Connectors:	SMA Female
Mounting:	2-Φ3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	50Ω
Average Power:	1W max.
	0.5W max. as combiner

Mechanical

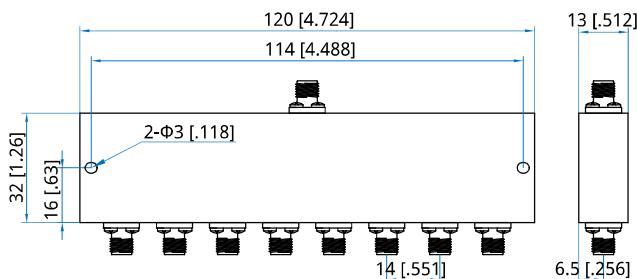
Size ^{*1} :	120*32*13mm
	4.724*1.26*0.512in
Weight:	150g
Connectors:	SMA Female
Mounting:	2-Φ3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	2W

Mechanical

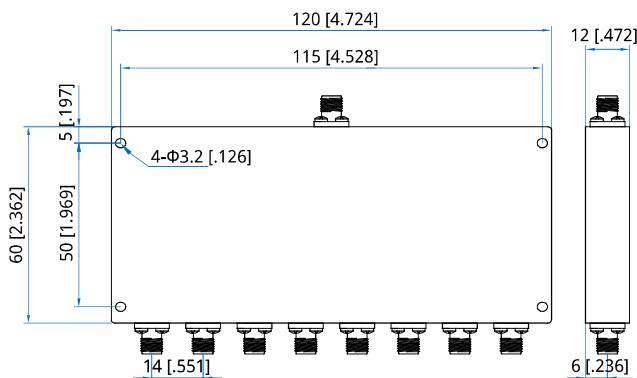
Size ^{*1} :	120*60*12mm
	4.724*2.362*0.472in
Weight:	211g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	± 0.2 dB
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

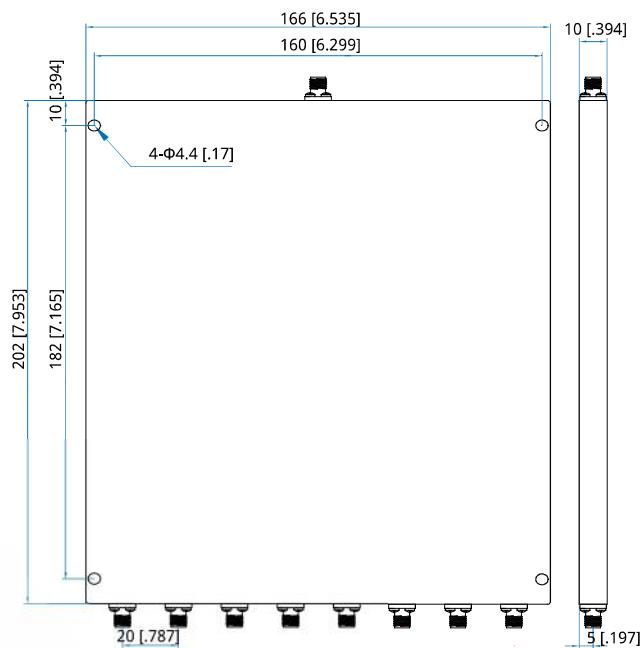
Size ^{*1} :	202*166*10mm
	7.953*6.535*0.394in
Weight:	800g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[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

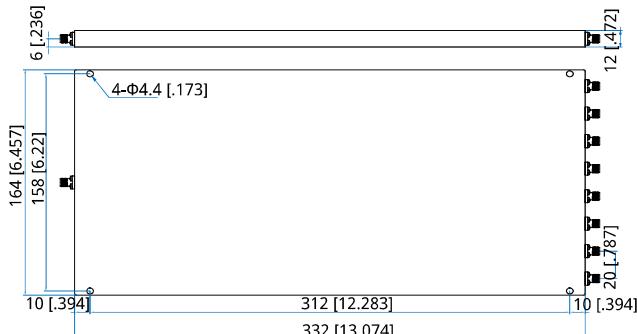
Frequency:	0.08~4GHz
Insertion Loss:	6.6dB max.
Input VSWR:	1.55 max.
Output VSWR:	1.25 max.
Isolation:	13dB min. (80~140MHz) 20dB min (140~4000MHz)
Amplitude Balance:	0.4dB max.
Phase Balance:	$\pm 8^\circ$
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Size ^{*1} :	332*164*12mm 13.071*6.457*0.472in
Weight:	1.65Kg
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-80-4000-30-S

Customization is available upon request.

Environmental

Operation Temperature: -45~+85°C



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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

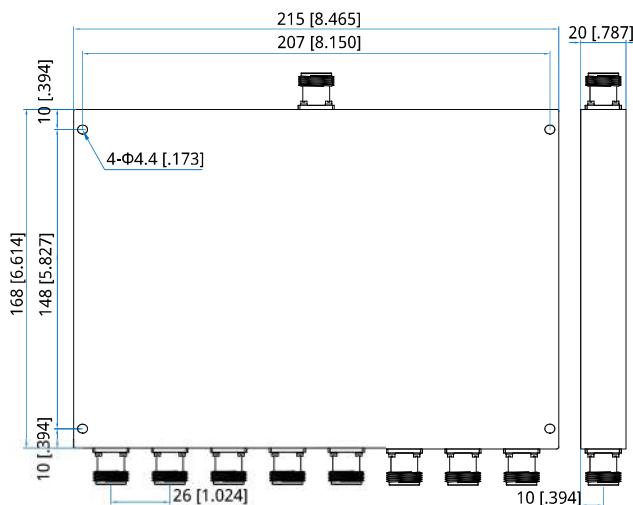
Size ^{*1} :	215*168*20mm
	8.465*6.614*0.787in
Weight:	2.4Kg
Connectors:	N Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	1W max.
	0.5W max. as combiner

Mechanical

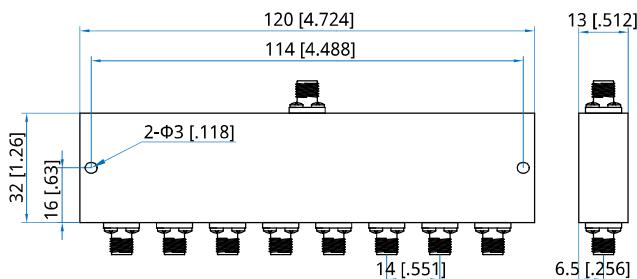
Size ^{*1} :	120*32*13mm
	4.724*1.26*0.512in
Weight:	200g
Connectors:	SMA Female
Mounting:	2-Φ3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

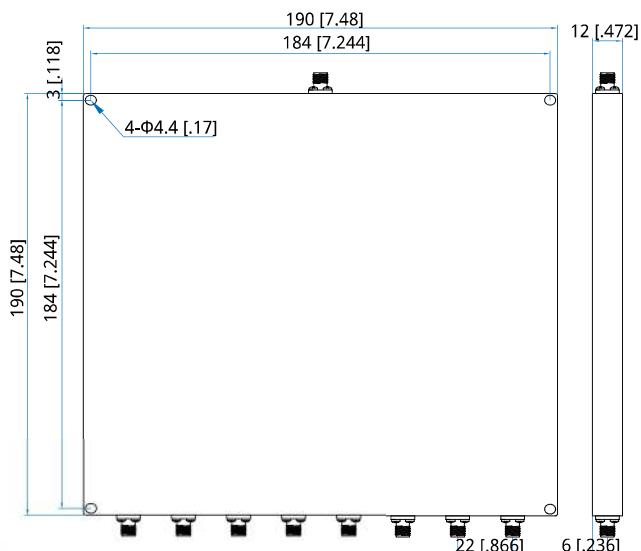
Size ^{*1} :	190*190*12mm
	7.48*7.48*0.472in
Weight:	800g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

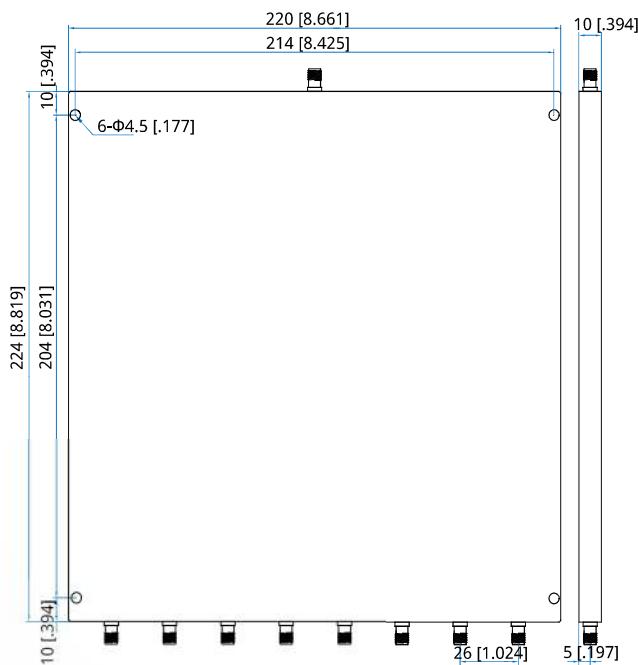
Size ^{*1} :	224*220*10mm
	8.819*8.661*0.394in
Weight:	850g
Connectors:	SMA Female
Mounting:	6-Φ4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

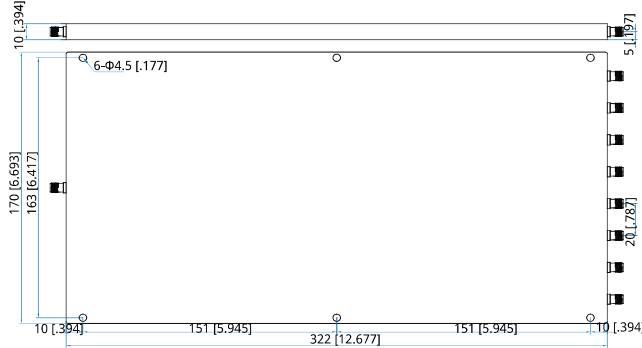
Size ^{*1} :	322*170*10mm
	12.677*6.693*0.394in
Weight:	850g
Connectors:	SMA Female
Mounting:	6-Φ4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

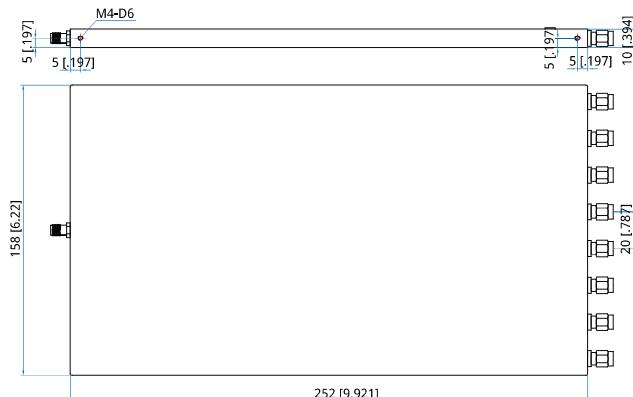
Size ^{*1} :	252*158*10mm 9.921*6.22*0.394in
Weight:	1.25Kg
Input Connectors:	SMA Female
Output Connectors:	SMA Male
Mounting:	4-M4, depth 6mm

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

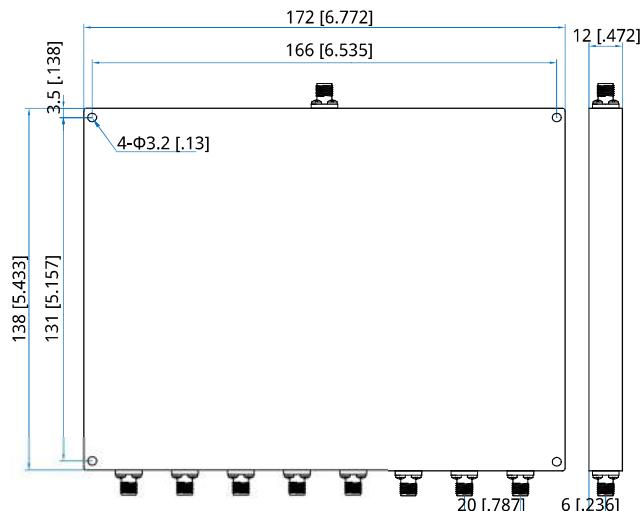
Size ^{*1} :	172*138*12mm 6.772*5.433*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-200-1000

Customization is available upon request.



8-Way Power Divider/Combiner

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

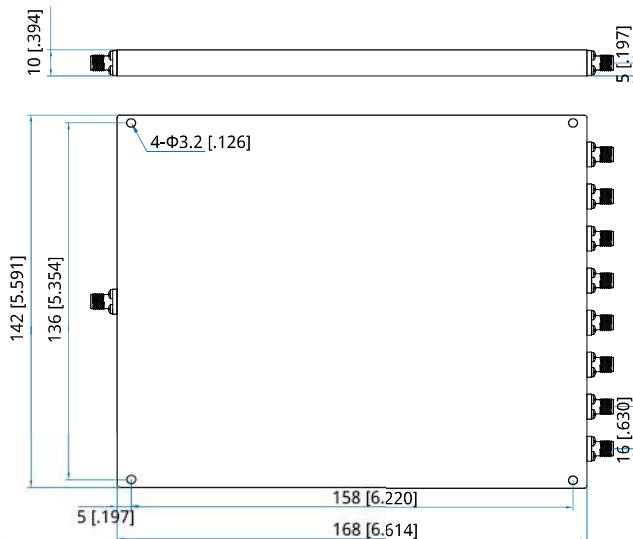
Size ^{*1} :	168*142*10mm
	6.614*5.591*0.394in
Weight:	700g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

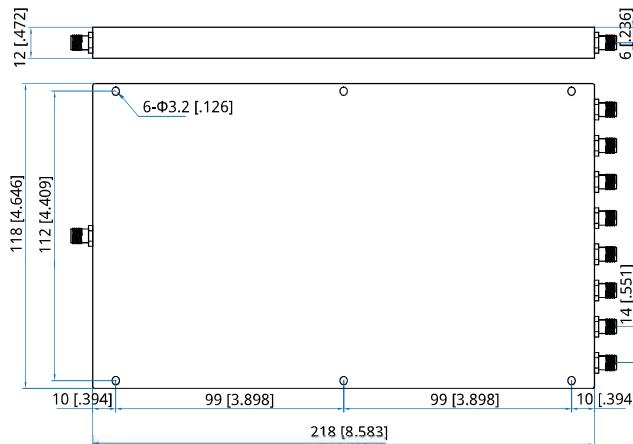
Size ^{*1} :	218*118*12mm
	8.583*4.646*0.472in
Weight:	670g
Connectors:	SMA Female
Mounting:	6-Φ3.2mm through-hole

[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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

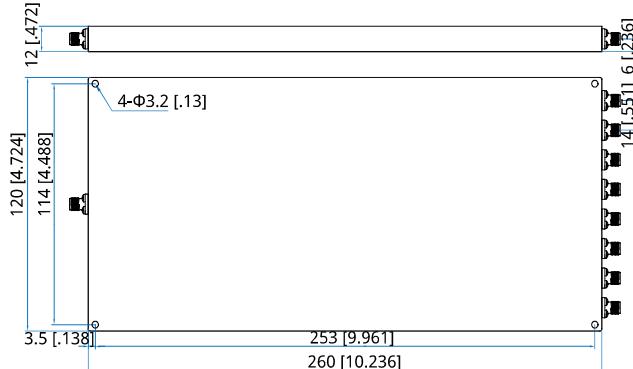
Size ^{*1} :	260*120*12mm 10.236*4.724*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

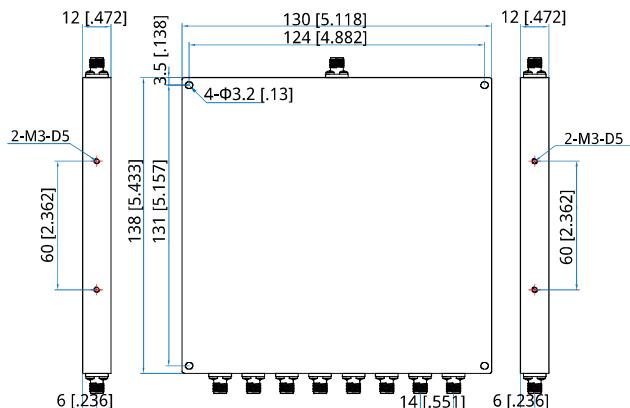
Size ^{*1} :	138*130*12mm
	5.433*5.118*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole 4-M3, depth 5mm

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	± 0.2 dB
Phase Balance:	$\pm 2^\circ$
Impedance:	50 Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

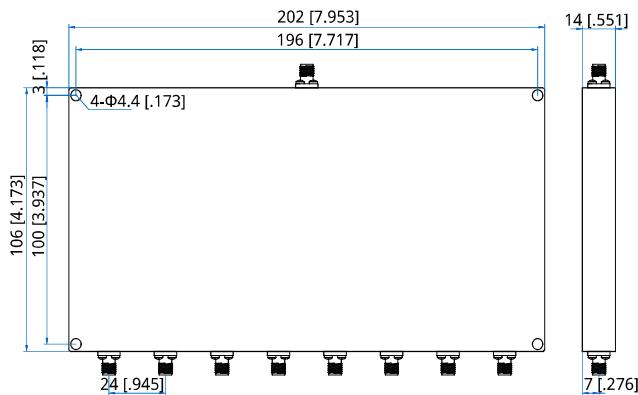
Size ^{*1} :	202*106*14mm
	7.953*4.173*0.551in
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

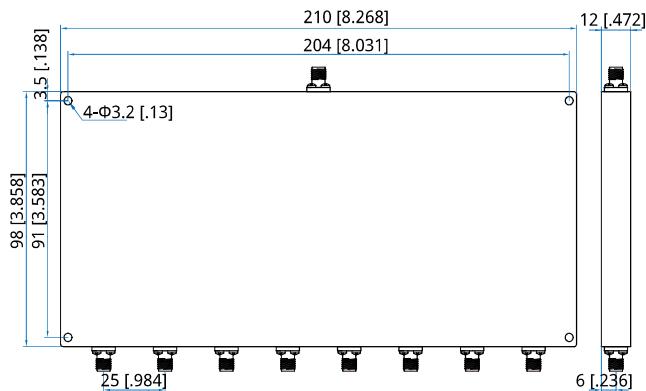
Size ^{*1} :	98*210*12mm
	3.858*8.268*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	50Ω
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-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-300-3000

Customization is available upon request.



8-Way Power Divider/Combiner

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

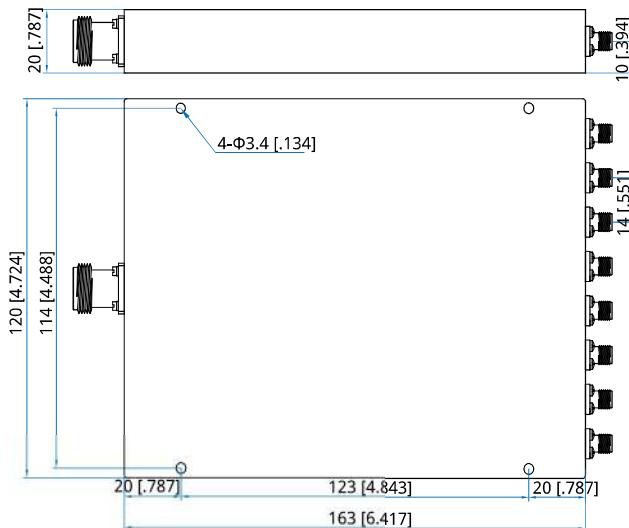
Size ^{*1} :	163*120*20mm
	6.417*4.724*0.787in
Input Connector:	SMA Female
Output Connector:	N Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
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-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

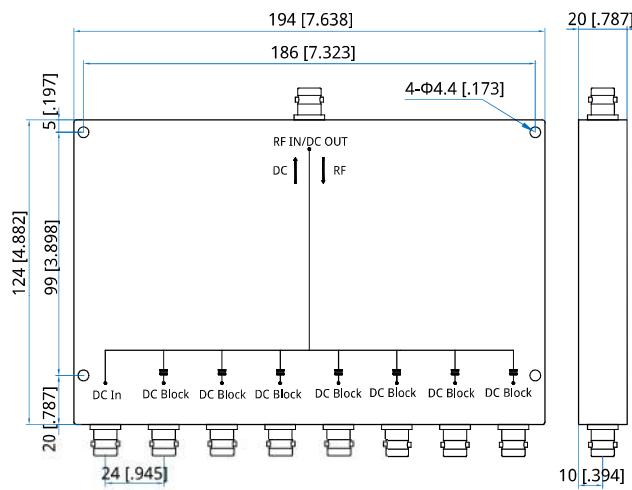
Size ^{*1} :	124*194*20mm
	4.882*7.638*0.787in
Weight:	900g
Power Supply:	DC
Connectors:	BNC Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

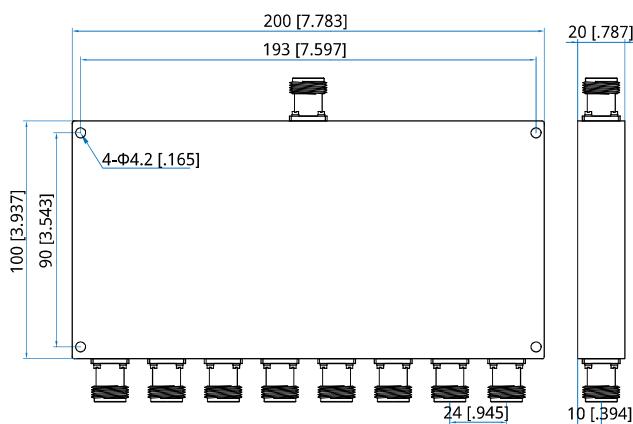
Size ^{*1} :	200*100*20mm 7.873*3.937*0.787in
Connectors:	N Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-400-4000

Customization is available upon request.



8-Way Power Divider/Combiner

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:	$\pm 5^\circ$
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: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

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:	±6°
Impedance:	50Ω
Average Power:	80W max. 5W max. as combiner

Mechanical

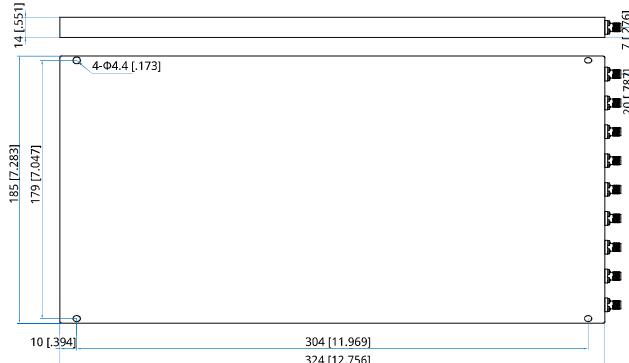
Size ^{*1} :	324*185*14mm 12.756*7.283*0.551in
Weight:	1500g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

[NPD8-400-6000-80-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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

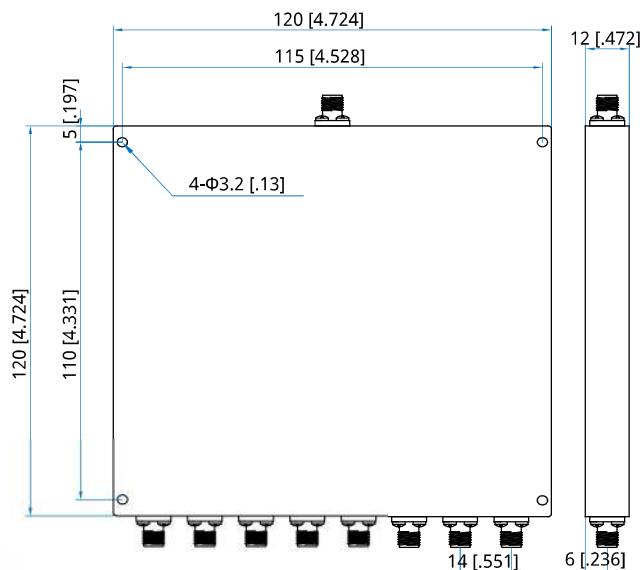
Size ^{*1} :	120*120*12mm
	4.724*4.724*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	± 0.5 dB max.
Phase Balance:	$\pm 5^\circ$ max.
Impedance:	50Ω
Average Power:	10W max.

Mechanical

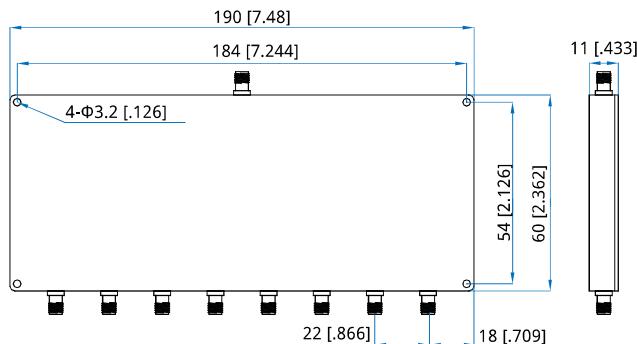
Size ^{*1} :	60*190*11mm
	2.362*7.480*0.433in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -40~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

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:	± 0.5 dB max.
Phase Balance:	$\pm 5^\circ$ max.
Impedance:	50Ω
Average Power:	20W max.

Mechanical

Size^{*1}: 81*192*12mm
3.189*7.559*0.472in

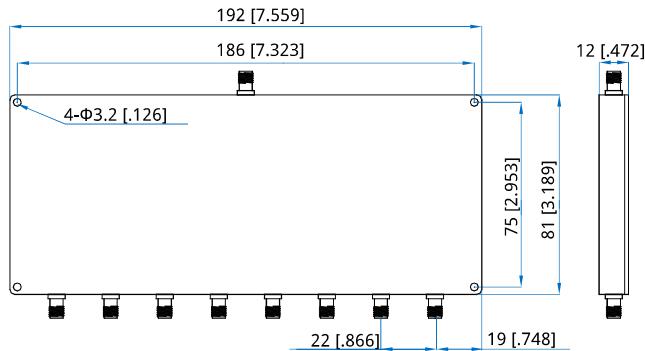
Connectors: SMA Female
Mounting: 4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -40~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

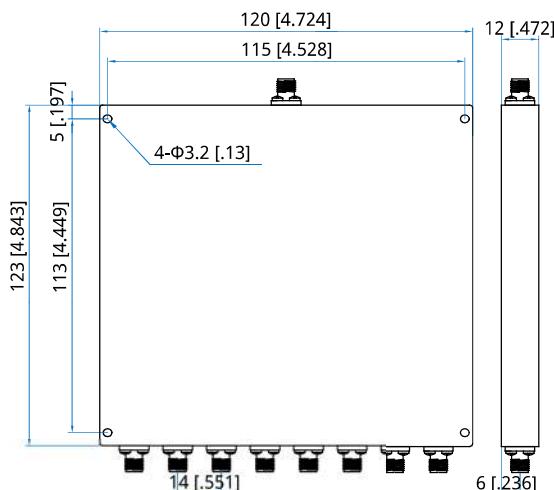
Size ^{*1} :	123*120*12mm
	4.843*4.724*0.472in
Weight:	420g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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) ± 0.3 dB (N)
Phase Balance:	$\pm 4^\circ$
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

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

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD8-500-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

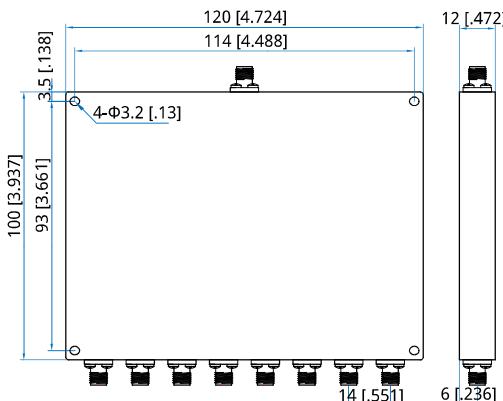
N - N Female (Outline B)

Examples:

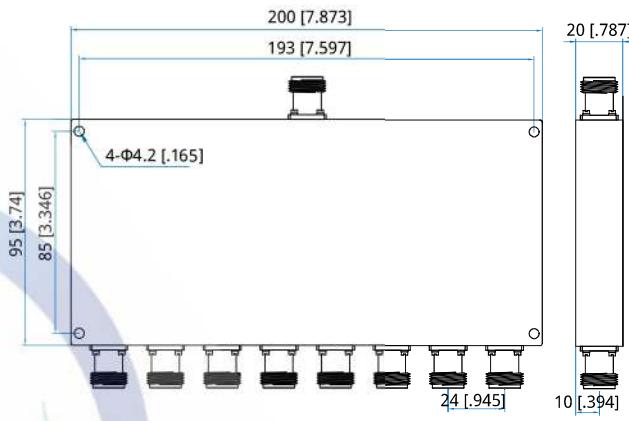
To order a 8-way power divider, 0.5~3GHz, 30W, N female, specify NPD8-500-3000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]



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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

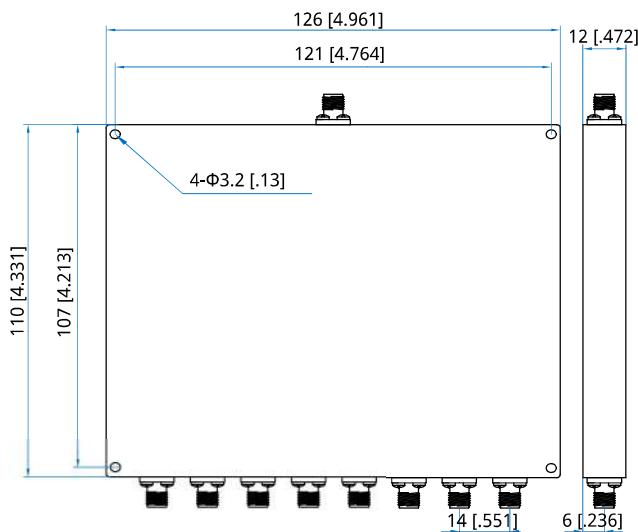
Size ^{*1} :	110*126*12mm
	4.331*4.961*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+75°C

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

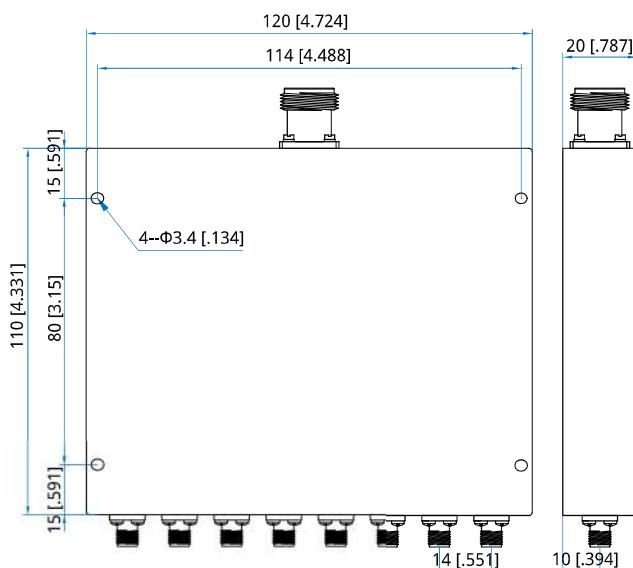
Size*: 110*120*20mm
4.331*4.724*0.778in
Connectors: SMA Female
N Female
Mounting: 4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	$\pm 4^\circ$ (SMA) $\pm 5^\circ$ (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

How To Order

NPD8-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

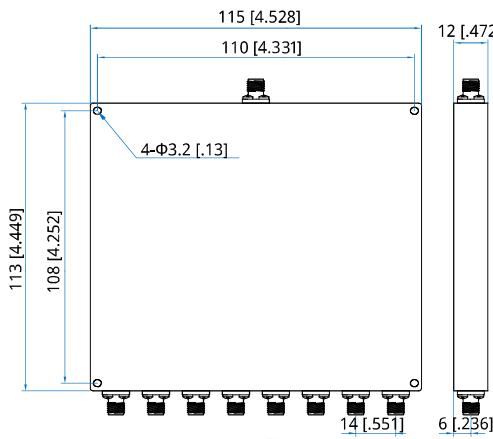
N - N Female (Outline B)

Examples:

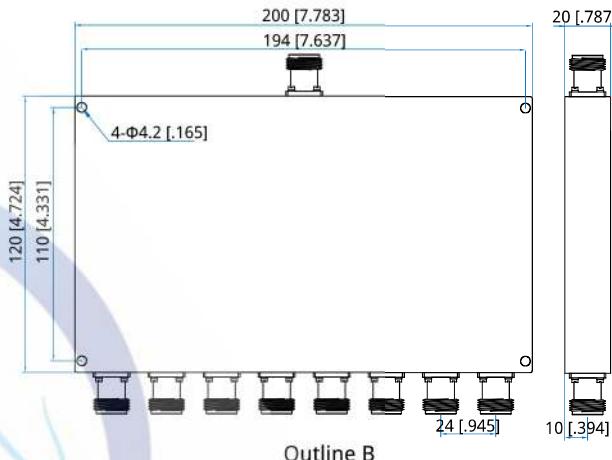
To order a 8-way power divider, 0.5~6GHz, 30W, N female,
specify NPD8-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

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

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:	$\pm 5^\circ$
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:

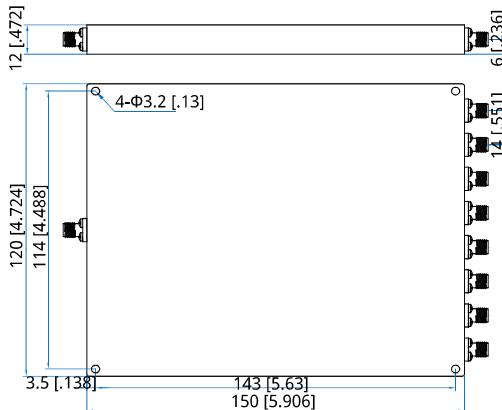
S - SMA Female (Outline A)

N - N Female (Outline B)

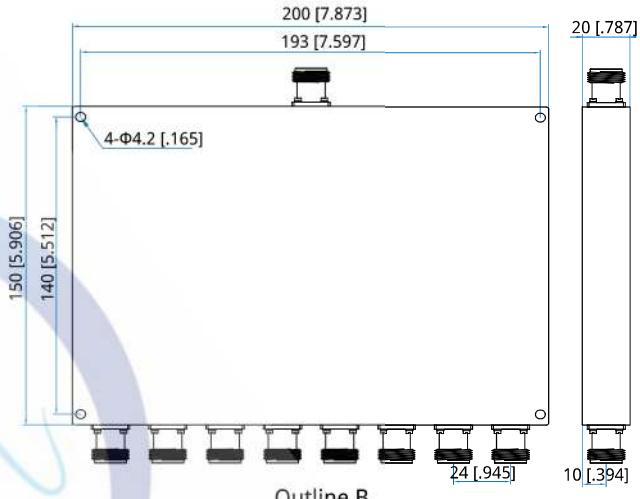
Examples:

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



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:	1.6 max.
Isolation:	14dB min.
Amplitude Balance:	0.8dB max.
Phase Balance:	$\pm 10^\circ$
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

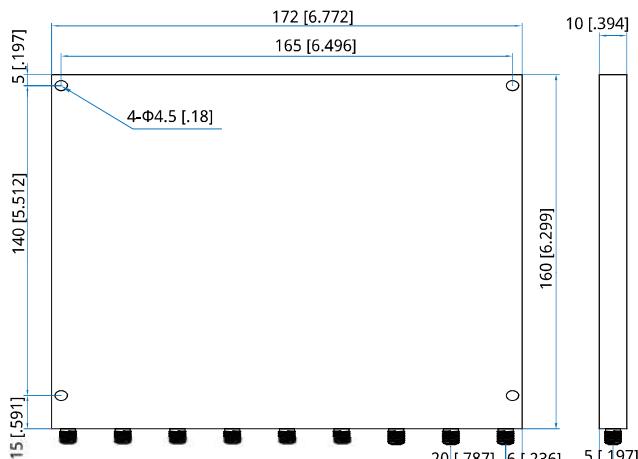
Size ^{*1} :	172*160*10mm
	6.772*6.299*0.394in
Weight:	678g
Connectors:	SMA Female
Mounting:	4-Φ4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

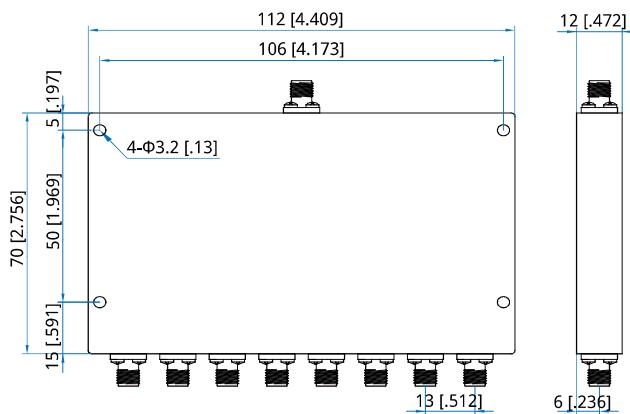
Size ^{*1} :	70*112*12mm 2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-600-2000

Customization is available upon request.

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:	$\pm 5^\circ$
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

How To Order

NPD8-600-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

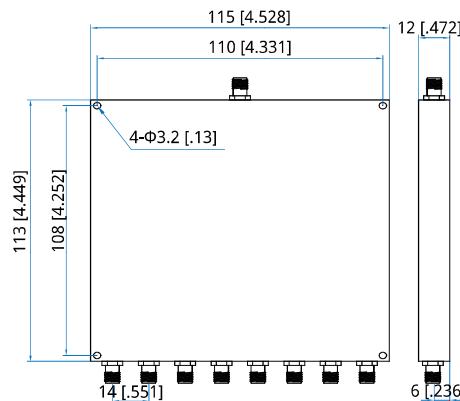
N - N Female (Outline B)

Examples:

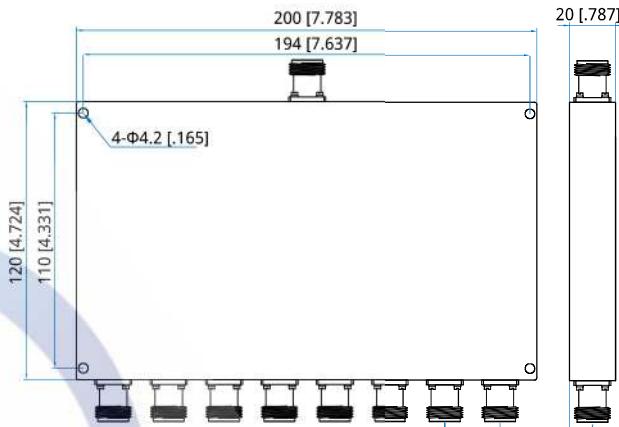
To order a 8-way power divider, 0.6~6GHz, 30W, N female, specify NPD8-600-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

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



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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

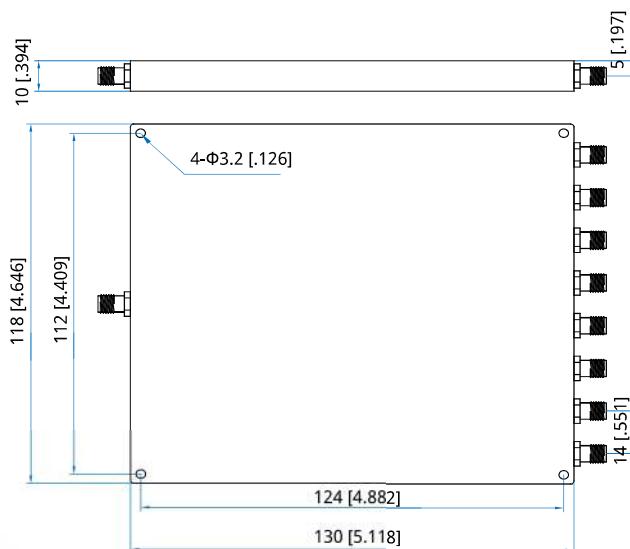
Size ^{*1} :	130*118*10mm
	5.118*4.646*0.394in
Weight:	370g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD8-600-8000-30-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:	$\pm 4^\circ$
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)

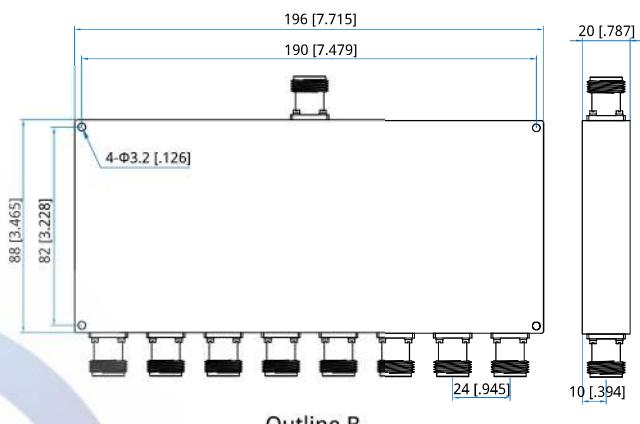
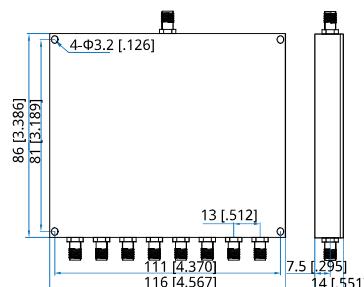
N - N Female (Outline B)

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



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



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:	±0.4dB
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

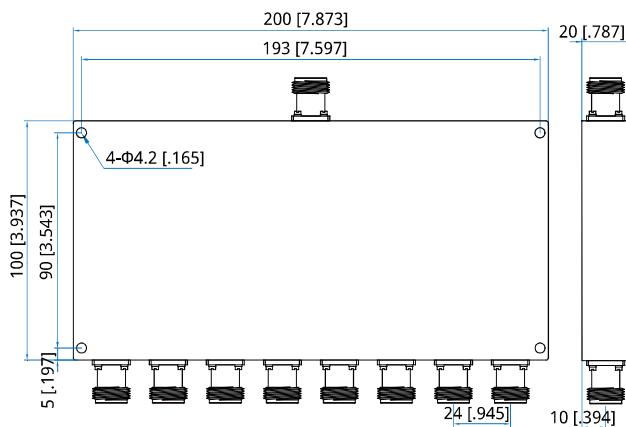
Size ^{*1} :	100*200*20mm
	3.937*7.874*0.787in
Connectors:	N Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

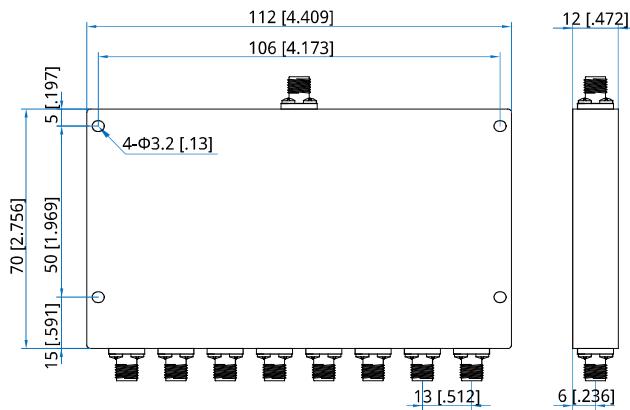
Size ^{*1} :	70*112*12mm
	2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-750-1710

Customization is available upon request.



8-Way Power Divider/Combiner

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

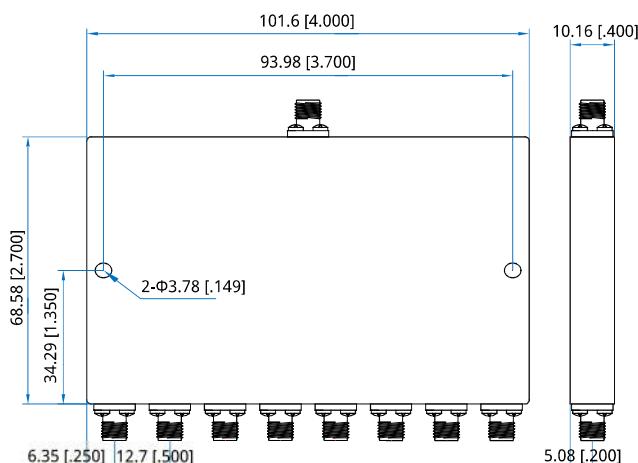
Size ^{*1} :	101.6*68.58*10.16mm
	4*2.7*0.4in
Weight:	260g
Connectors:	SMA Female
Mounting:	2-Φ3.78mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-800-2000-30-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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

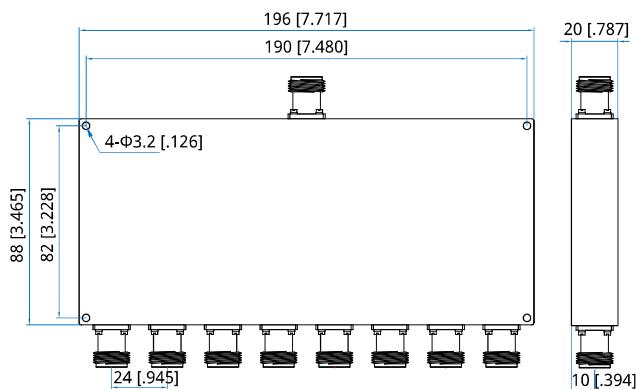
Size ^{*1} :	196*88*20mm
	7.717*3.465*0.787in
Weight:	835g
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

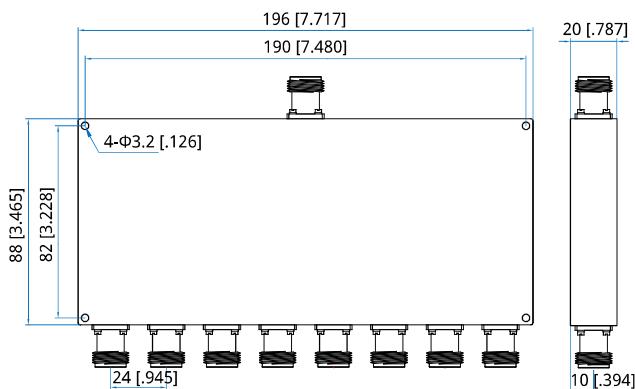
Size ^{*1} :	196*88*20mm
	7.717*3.465*0.787in
Weight:	835g
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

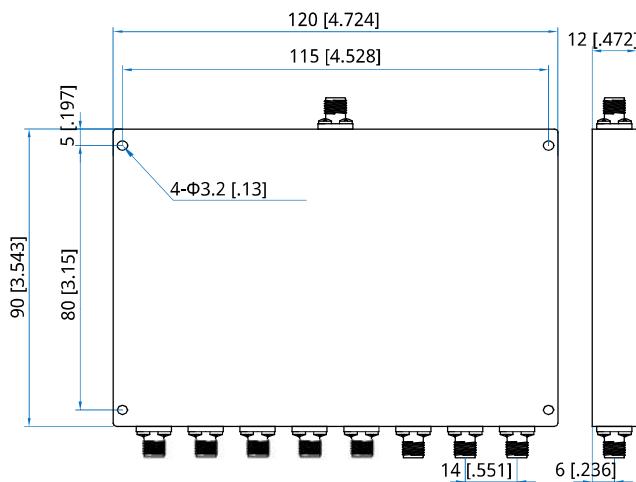
Size ^{*1} :	90*120*12mm
	3.543*4.724*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

[NPD8-800-4200](#)

Customization is available upon request.



8-Way Power Divider/Combiner

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

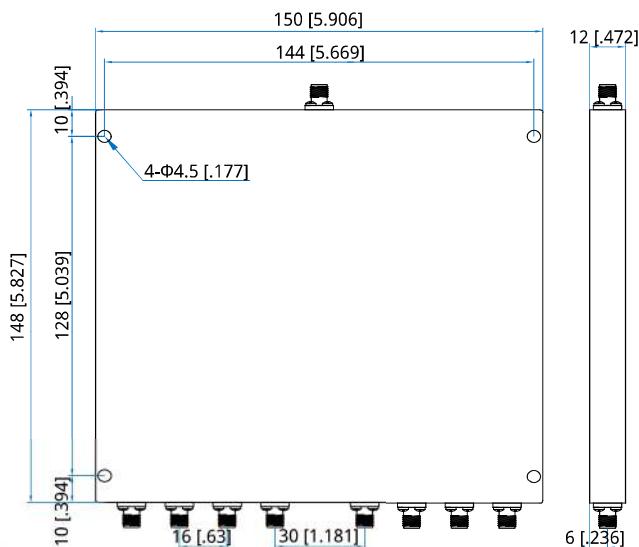
Size ^{*1} :	150*148*12mm
	5.906*5.827*0.472in
Weight:	600g
Connectors:	SMA Female
Mounting:	4-Φ4.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

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:	50Ω
Average Power:	20W max.
	2W max. as combiner

Mechanical

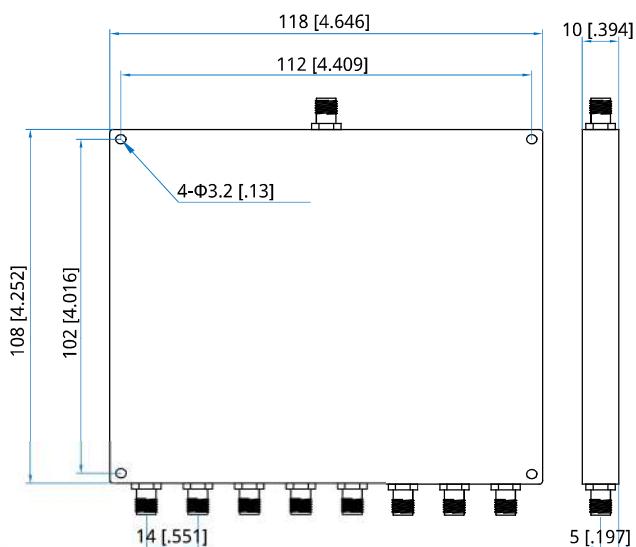
Size ^{*1} :	108*118*10mm
	4.252*4.646*0.394in
Weight:	320g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

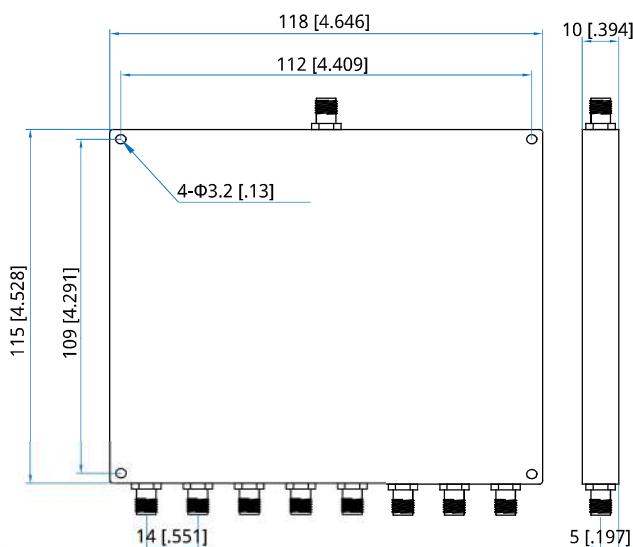
Size ^{*1} :	115*118*10mm
	4.252*4.646*0.394in
Weight:	350g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

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)
-----------	--

Environmental

Operation Temperature: -35~+75°C

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)

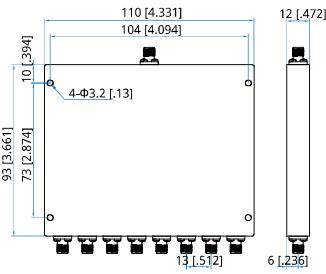
NS - N&SMA Female (Outline D)

Examples:

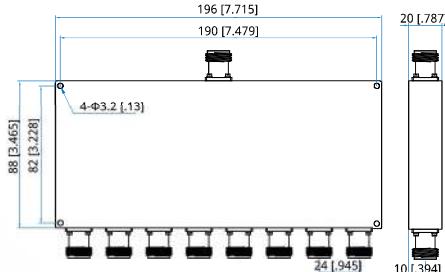
To order a 8-way power divider, 0.95~2.15GHz,

30W, N female, specify NPD8-950-2150-30-N.

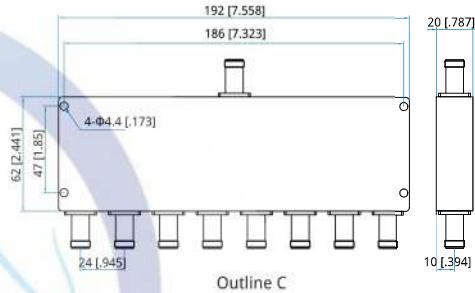
Customization is available upon request.

Outline Drawings


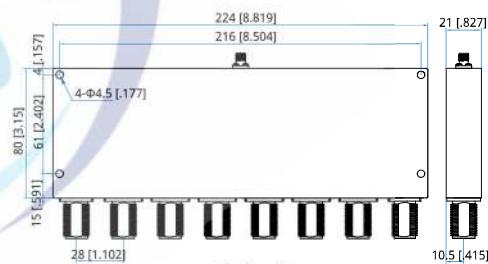
Outline A



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

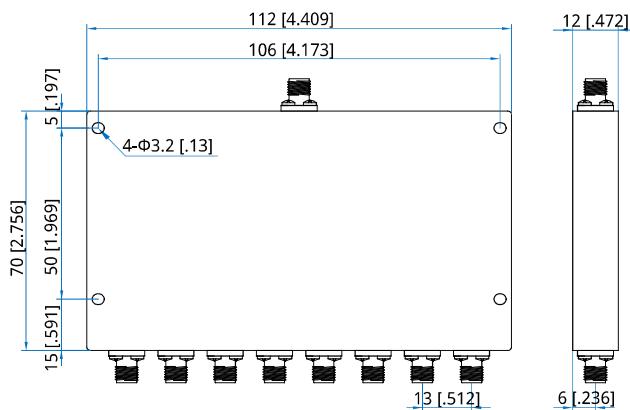
Size ^{*1} :	70*112*12mm
	2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-1000-1700-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

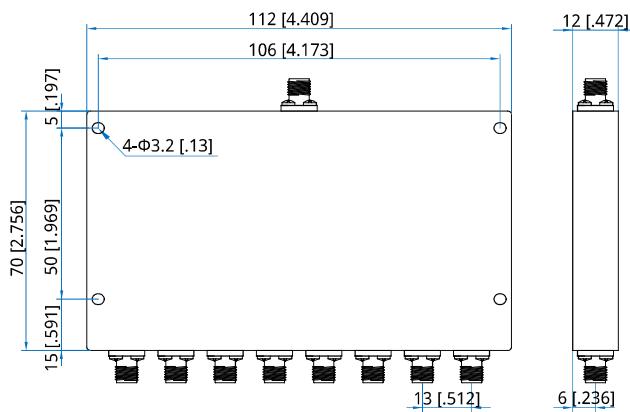
Size ^{*1} :	70*112*12mm
	2.756*4.409*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-1000-3000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

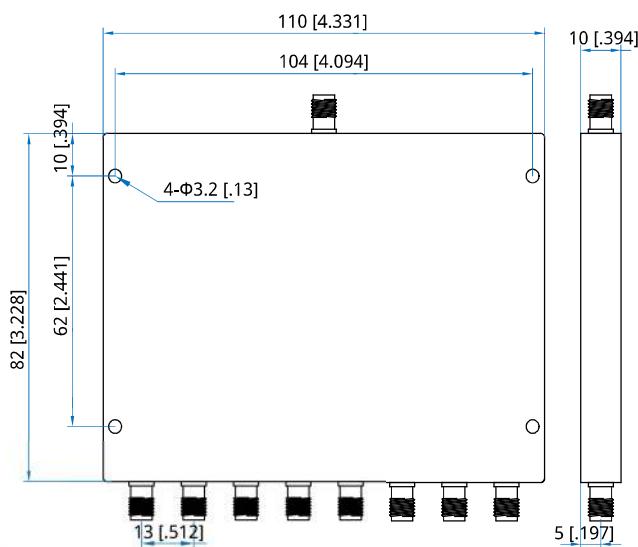
Size ^{*1} :	110*82*10mm
	4.331*3.228*0.394in
Weight:	300g
Connectors:	SMA Female (Passivated Stainless Steel)
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-1000-6000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

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:	± 0.5 dB
Phase Balance:	$\pm 10^\circ$
Impedance:	50 Ω
Average Power:	20W max.
	1W max. as combiner

Mechanical

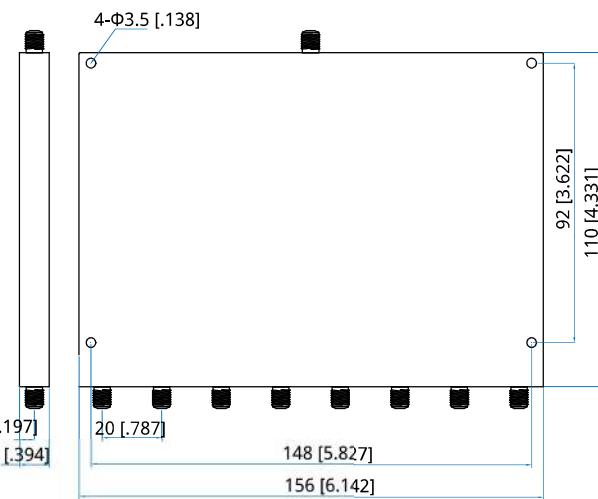
Size ^{*1} :	156*110*10mm
	6.142*4.331*0.394in
Connectors:	SMA Female
Mounting:	4-Φ3.5mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

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:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

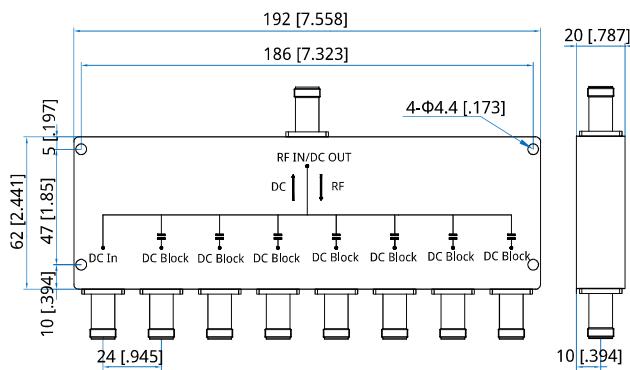
Size ^{*1} :	192*62*20mm
	7.558*2.441*0.787in
Weight:	595g
Power Supply:	DC
Connectors:	TNC Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-1100-1700-30-T

Customization is available upon request.



8-Way Power Divider/Combiner

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

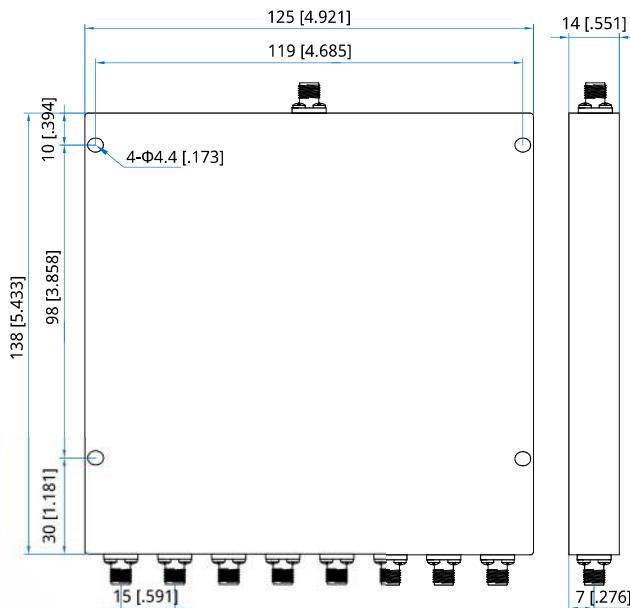
Size ^{*1} :	138*125*14mm
	5.433*4.921*0.551in
Weight:	750g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[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.



8-Way Power Divider/Combiner

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

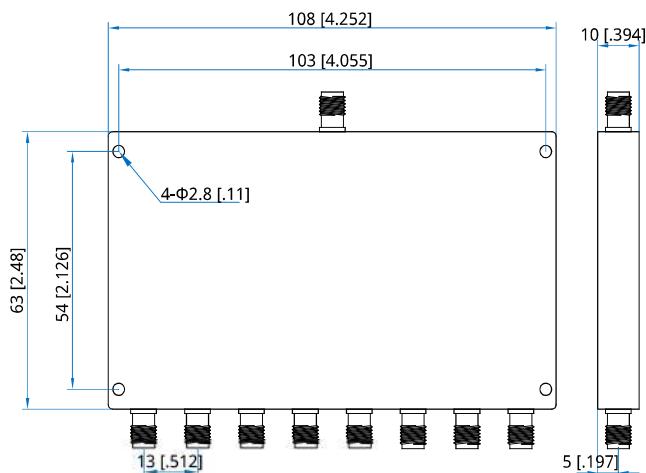
Size ^{*1} :	63*108*10mm
	2.48*4.252*0.394in
Weight:	160g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ2.8mm through-hole

[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:	50Ω
Average Power:	100W max. 10W max. as combiner

Mechanical

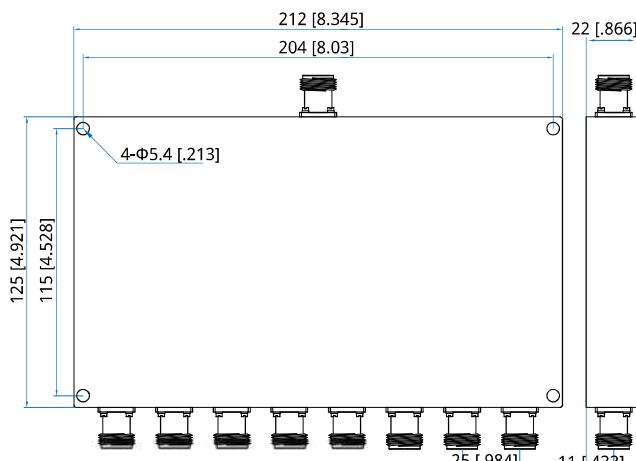
Size ^{*1} :	125*212*22mm
	4.921*8.345*0.866in
Connectors:	N Female
Mounting:	4-Φ5.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	250W max. 15W max. as combiner

Mechanical

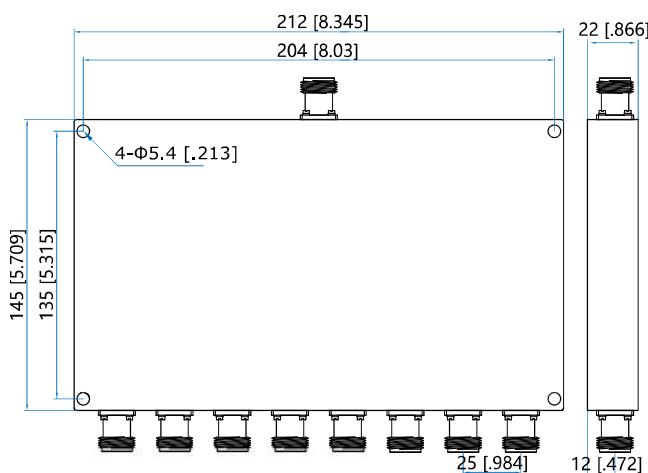
Size ^{*1} :	145*212*22mm
	5.709*8.345*0.866in
Connectors:	N Female
Mounting:	4-Φ5.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

[NPD8-1850-2700-K25-N](#)

Customization is available upon request.

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)
-----------	--

Environmental

Operation Temperature: -40~+75°C

How To Order
NPD8-2000-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

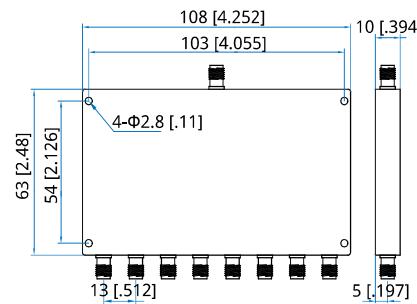
S - SMA Female (Outline A)

N - N Female (Outline B)

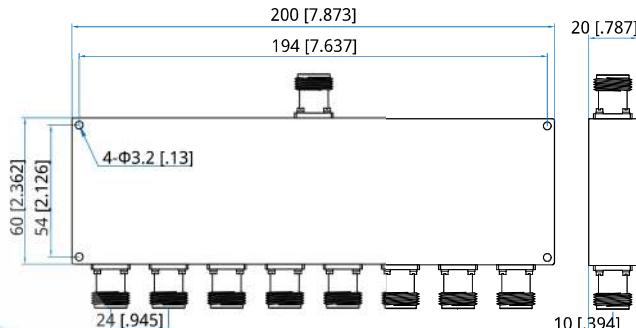
Examples:

 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]



8-Way Power Divider/Combiner

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:	$\pm 5^\circ$
Impedance:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

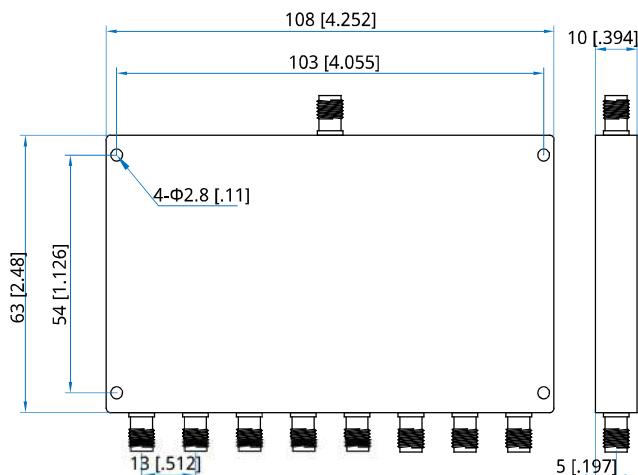
Size ^{*1} :	63*108*10mm
	2.48*4.252*0.394in
Weight:	160g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

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

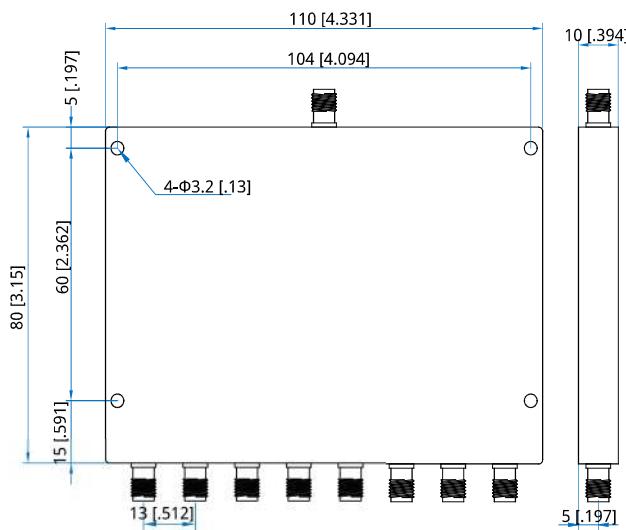
Size ^{*1} :	80*110*10mm
	3.15*4.331*0.394in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

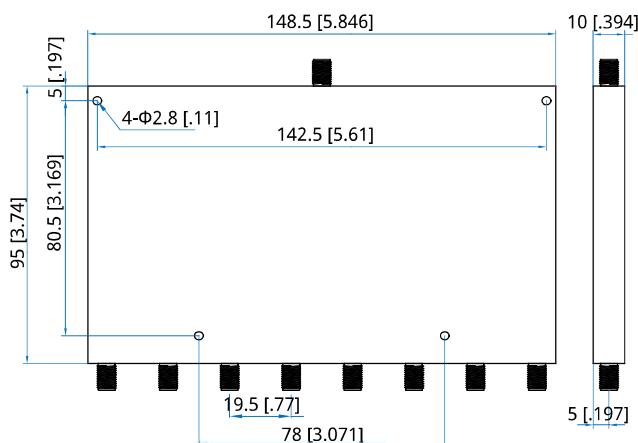
Size ^{*1} :	148.5*95*10mm
	5.846*3.74*0.394in
Weight:	345g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-2000-18000-20-S

Customization is available upon request.



8-Way Power Dividers/Combiners

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

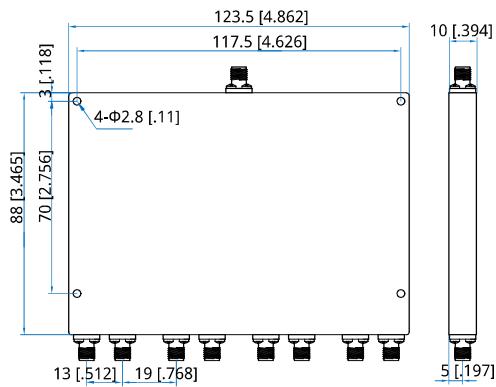
Size ^{*1} :	88*123.5*10mm 3.465*4.862*0.394in
Connectors:	SMA Female or 2.92mm Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

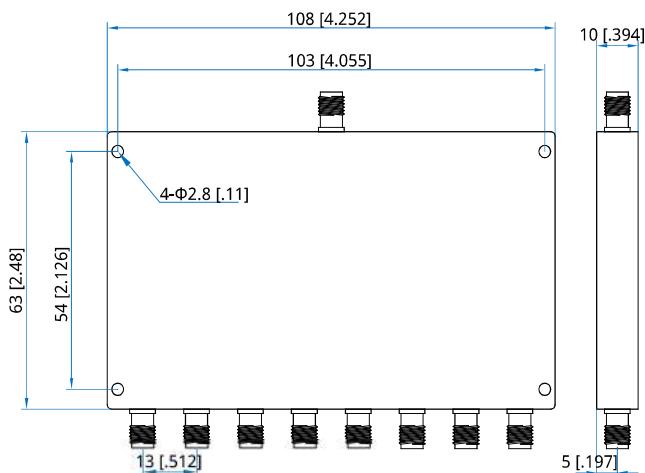
Size ^{*1} :	63*108*10mm
	2.48*4.252*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	± 0.4 dB
Phase Balance:	$\pm 6^\circ$
Impedance:	50 Ω
Average Power:	20W max.
	1W max. as combiner

Mechanical

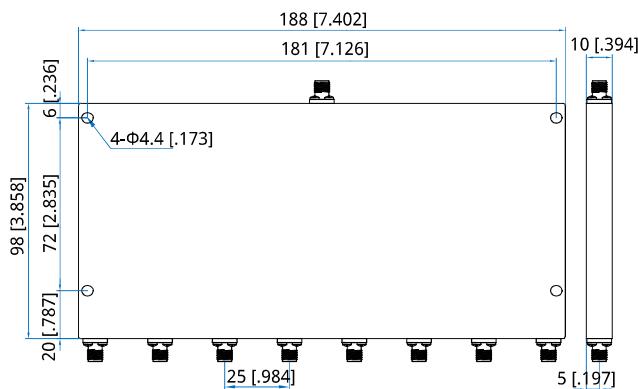
Size ^{*1} :	188*98*10mm
	7.402*3.858*0.394in
Weight:	900g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

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

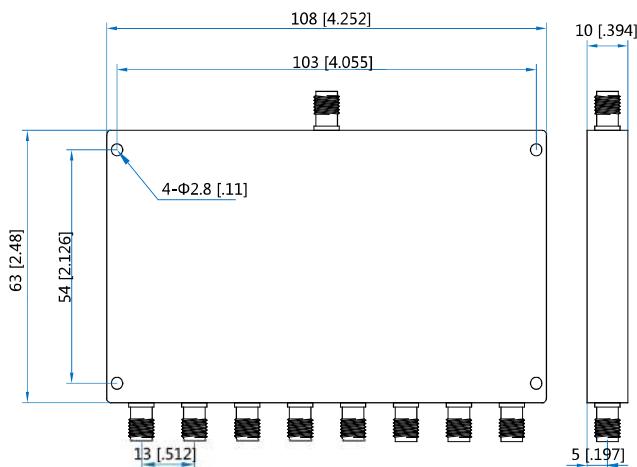
Size ^{*1} :	63*108*10mm
	2.48*4.252*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	±0.3dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

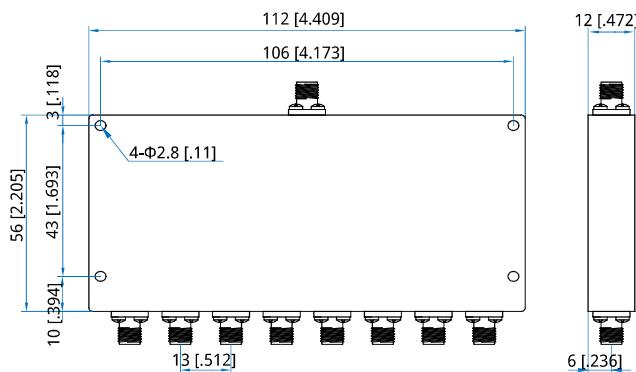
Size ^{*1} :	56*112*12mm
	2.205*4.409*0.472in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD8-4000-8000-30-S

Customization is available upon request.



8-Way Power Divider/Combiner

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

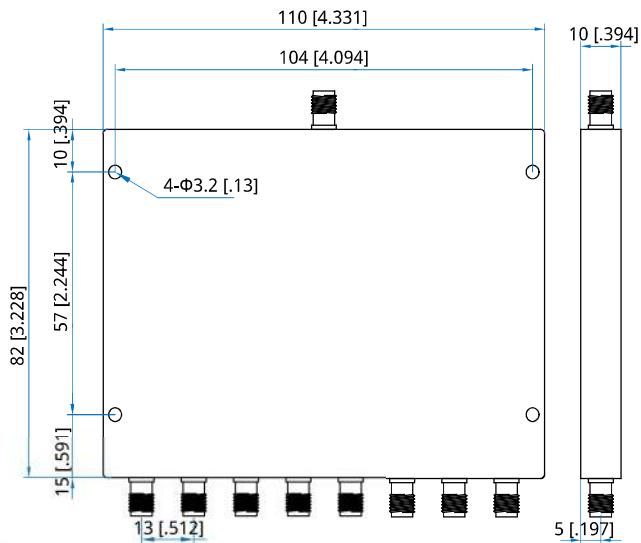
Size ^{*1} :	110*82*10mm
	4.331*3.228*0.394in
Weight:	300g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

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:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

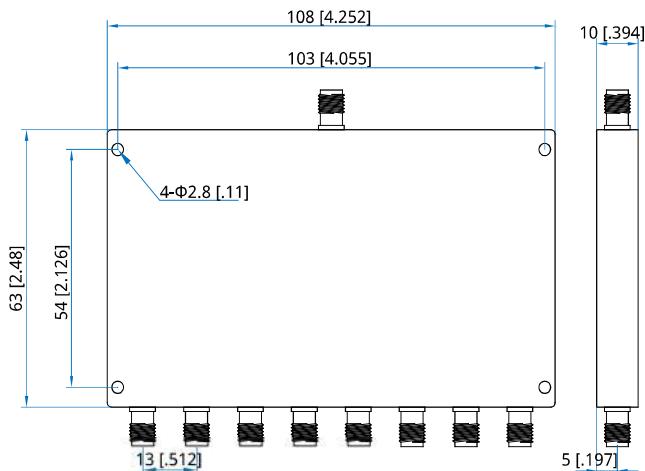
Size ^{*1} :	63*108*10mm
	2.48*4.252*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	50Ω
Average Power:	20W max.
	1W max. as combiner

Mechanical

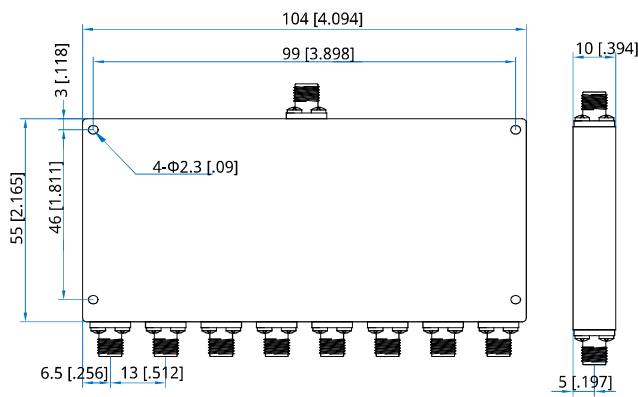
Size ^{*1} :	55*104*10mm
	2.165*4.094*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

[NPD8-5000-12000-20-S](#)

Customization is available upon request.



8-Way Power Divider/Combiner

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:	$\pm 5^\circ$
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

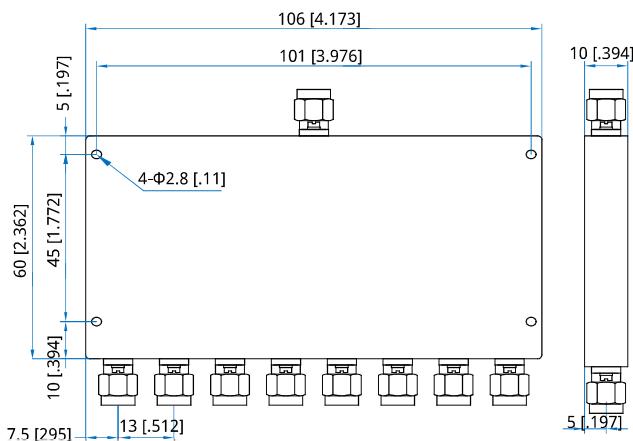
Size ^{*1} :	60*106*10mm
	2.362*4.173*0.394in
Connectors:	SMA Male
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

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:	±0.5dB max.
Phase Balance:	±8° max.
Impedance:	50Ω
Average Power:	50W

Mechanical

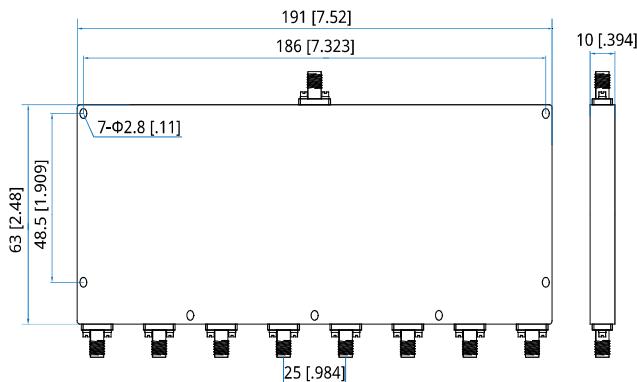
Size ^{*1} :	191*63*10mm
	7.52*2.48*0.394in
Connectors:	SMA Female
Mounting:	7-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -40~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

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

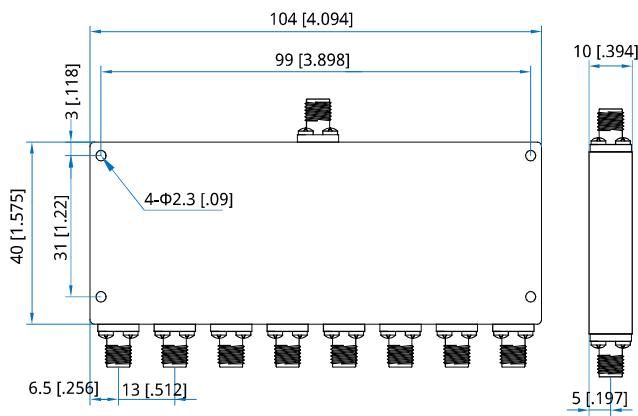
Size ^{*1} :	40*104*10mm
	1.575*4.094*0.394in
Connectors:	2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	50Ω
Average Power:	20W max.
	1W max. as combiner

Mechanical

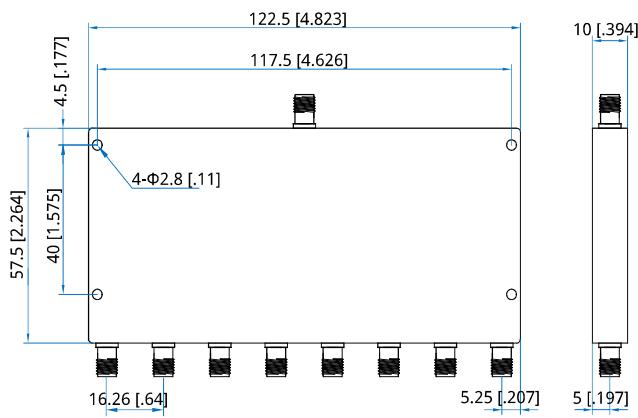
Size ^{*1} :	57.5*122.5*10mm
	2.264*4.823*0.394in
Weight:	190g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

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:	50Ω
Average Power:	20W max.
	1W max. as combiner

Mechanical

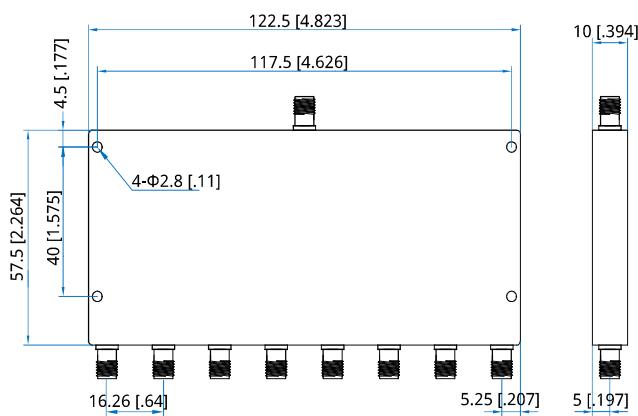
Size ^{*1} :	57.5*122.5*10mm
	2.264*4.823*0.394in
Weight:	190g
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

Outline Drawings



Unit: mm [in]

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

How To Order

NPD8-9000-11000-20-S

Customization is available upon request.



8-Way Power Divider/Combiner

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

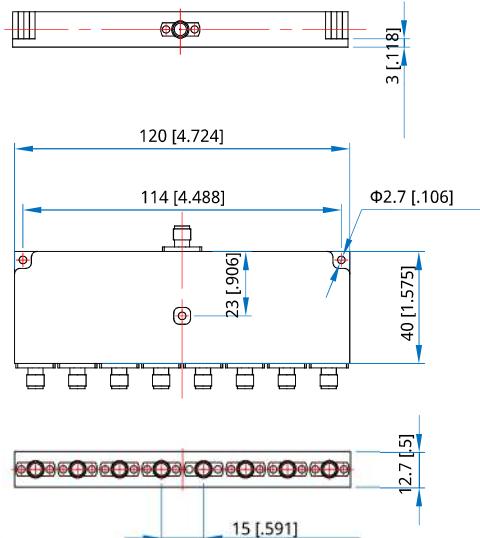
Size ^{*1} :	120*40*12.7mm
	4.7241.575**0.5in
Weight:	200g max.
Connectors:	2.4mm Female
Mounting:	3-Φ2.7mm through hole

[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

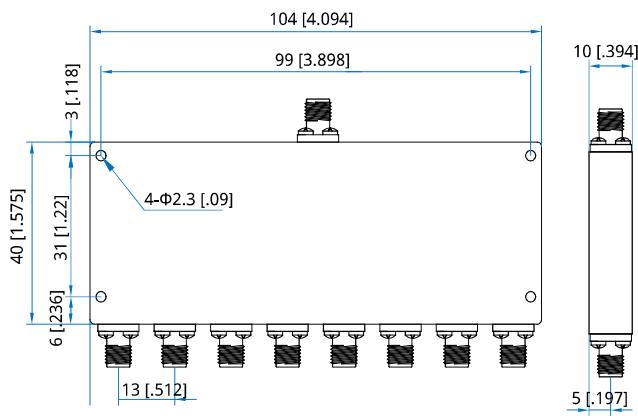
Size ^{*1} :	40*104*10mm
	1.575*4.094*0.394in
Weight:	138g
Connectors:	2.92mm Female (Stainless steel)
Mounting:	4-Φ2.3mm through-hole

[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:	± 0.6 dB
Phase Balance:	$\pm 6^\circ$
Impedance:	50Ω
Average Power:	20W max.
	1W max. as combiner

Mechanical

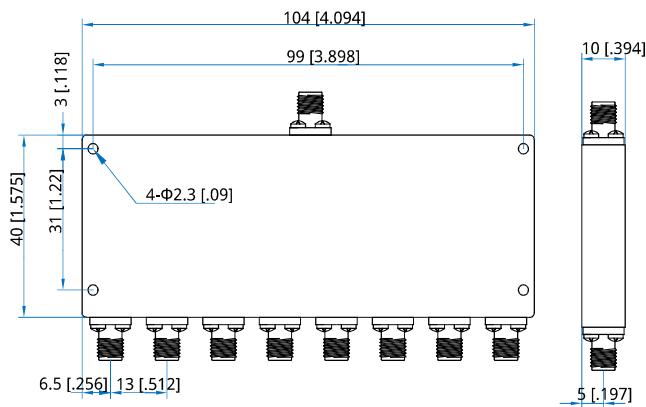
Size ^{*1} :	40*104*10mm
	1.575*4.094*0.394in
Connectors:	2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature: -45~+85°C

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:	±1dB typ.
Phase Balance:	±20° typ.
Average Power:	0.1W max.

Mechanical

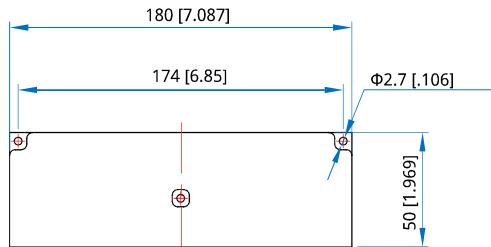
Size ^{*1} :	180*50*20mm
	7.087*1.969*0.787in
Weight:	400g max.
Interface:	WR-15
Mounting:	3-Φ2.7mm through hole

[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

[NPD8-50000-66000-R1](#)

Customization is available upon request.