

NPD16-0-3000-2-S

16-Way, DC~3GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~3GHz
Insertion Loss:	24±2.5dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.4 max.
Isolation:	24dB min.
Amplitude Balance:	±1.5dB
Impedance:	50Ω
Average Power:	2W

Mechanical

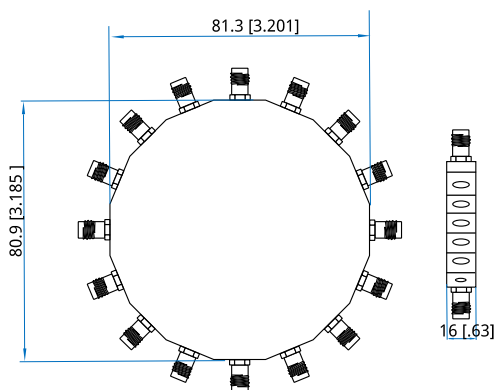
Size ^{*1} :	81.3*80.9*16mm 3.201*3.185*0.63in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-0-3000-2-S

Customization is available upon request.

NPD16-1000-18000-20-S

16-Way, 1~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~18GHz
Insertion Loss:	6.5dB max.
Input VSWR:	2 max.
Output VSWR:	2 max.
Isolation:	15dB min.
Amplitude Balance:	±1.8dB
Phase Balance:	±12°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

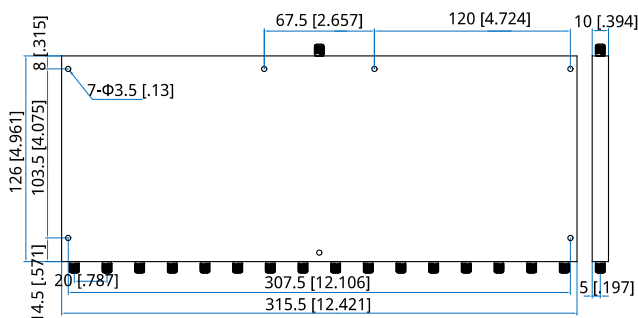
Size ^{*1} :	126*315.5*10mm 4.961*12.421*0.394in
Connectors:	SMA Female
Mounting:	7-Φ3.5mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-1000-18000-20-S

Customization is available upon request.

NPD16-1000-2000-30-S

16-Way, 1~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~2GHz
Insertion Loss:	1.2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	25dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

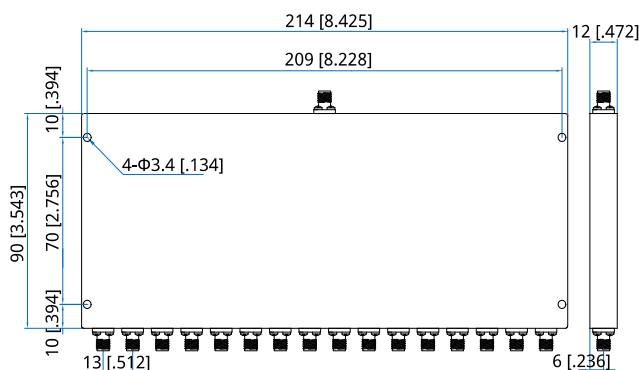
Size ^{*1} :	90*214*12mm 3.543*8.425*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-1000-2000-30-S

Customization is available upon request.

NPD16-1000-4000-30-SN

16-Way, 1~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~4GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

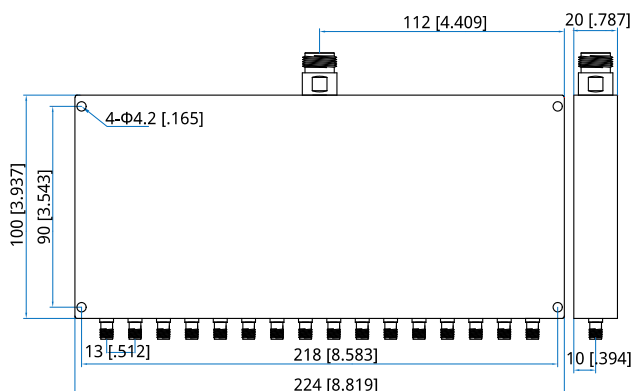
Size ^{*1} :	100*224*20mm 3.937*8.819*0.787in
Input Connector:	N Female
Output Connector:	SMA Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-1000-4000-30-SN

Customization is available upon request.

NPD16-1000-6000-30-S

16-Way, 1~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~6GHz
Insertion Loss:	2.5dB max.
Input VSWR:	1.45 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 6^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

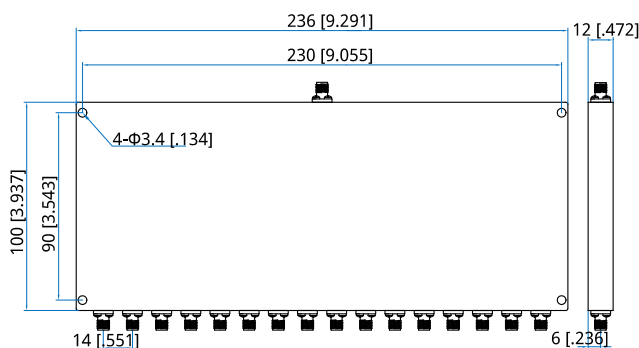
Size*1:	100*236*12mm 3.937*9.291*0.472in
Connectors:	SMA Female
Mounting:	4- Φ 3.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD16-1000-6000-30-S

Customization is available upon request.

NPD16-1100-1600-N

16-Way, 1.1~1.6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.1~1.6GHz
Gain:	0dB
Input VSWR:	1.8 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Noise Figure:	3.0dB max.
Output Power:	-10±2dBm
Voltage:	+5V
Current:	50mA
Phase Balance:	±6°
Impedance:	50Ω

Mechanical

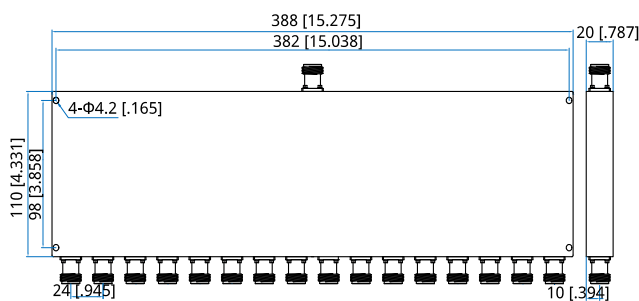
Size*1:	110*388*20mm 4.331*15.275*0.787in
Connectors:	N Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-1100-1600-N

Customization is available upon request.

NPD16-1500-5000-30-S

16-Way, 1.5~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1.5~5GHz
Insertion Loss:	2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

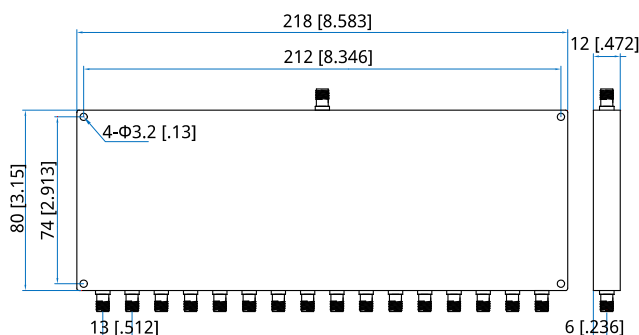
Size ^{*1} :	218*80*12mm 8.583*3.15*0.472in
Weight:	500g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-1500-5000-30-S

Customization is available upon request.

NPD16-2000-18000-20-S

16-Way, 2~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~18GHz
Insertion Loss:	5.0dB max.
Input VSWR:	2 max.
Output VSWR:	1.8 max.
Isolation:	15dB min.
Amplitude Balance:	0.7dB max.
Phase Balance:	±10°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

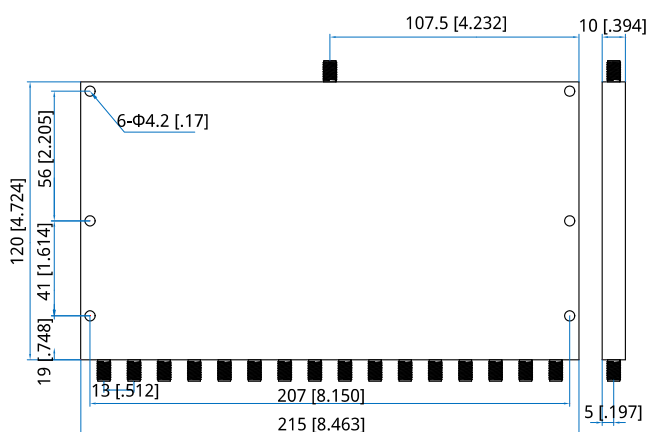
Size*1:	120*215*10mm 4.724*8.463*0.394in
Connectors:	SMA Female
Mounting:	6-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-2000-18000-20-S

Customization is available upon request.

NPD16-2000-3000-30-S

16-Way, 2~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~3GHz
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

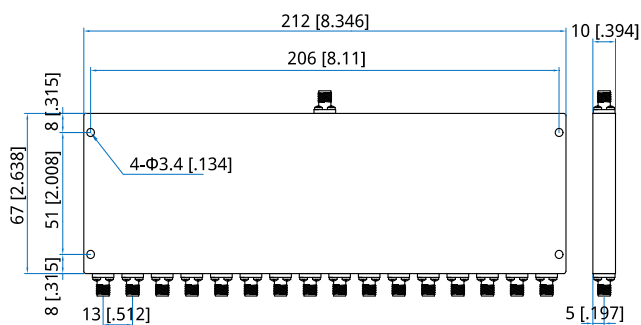
Size*1:	212*67*10mm 8.346*2.638*0.394in
Weight:	350g
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-2000-3000-30-S

Customization is available upon request.

NPD16-2000-4000-30-S

16-Way, 2~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~4GHz
Insertion Loss:	0.6dB 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

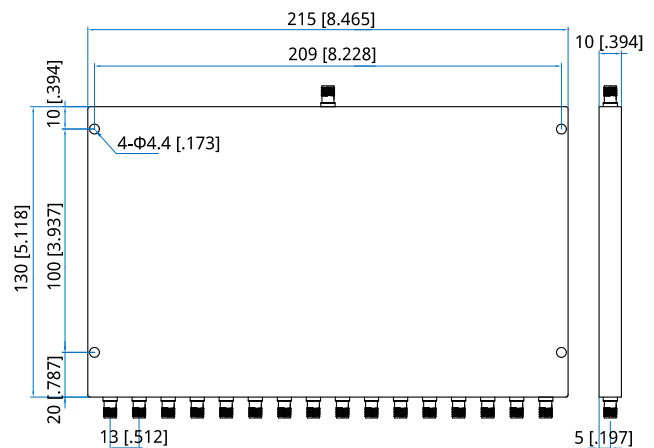
Size ^{*1} :	215*130*10mm 8.465*5.118*0.394in
Weight:	750g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-2000-4000-30-S

Customization is available upon request.

NPD16-2000-4000-50-S

16-Way, 2~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~4GHz
Insertion Loss:	0.6dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	16dB min.
Amplitude Balance:	±0.3dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	50W max. 2.5W max. as combiner

Mechanical

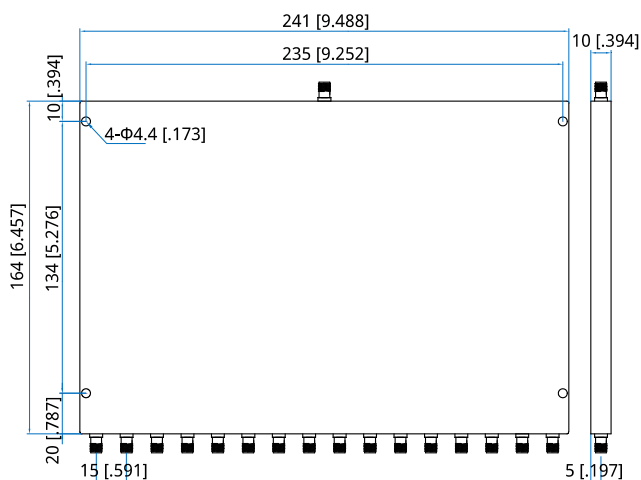
Size ^{*1} :	241*164*10mm 9.488*6.457*0.394in
Weight:	950g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ4.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-2000-4000-50-S

Customization is available upon request.

NPD16-2000-6000-30-S

16-Way, 2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~6GHz
Insertion Loss:	2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	18dB min.
Amplitude Balance:	±0.2dB
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

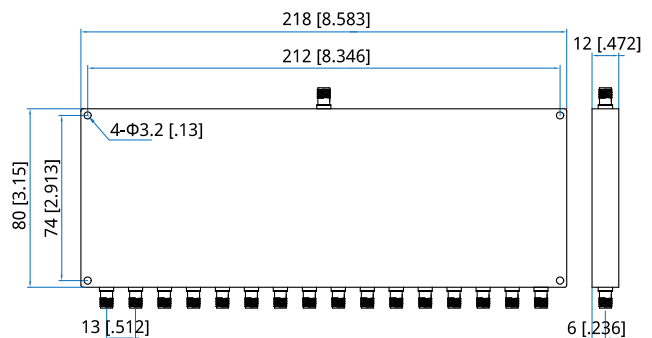
Size ^{*1} :	218*80*12mm 8.583*3.15*0.472in
Weight:	500g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-2000-6000-30-S

Customization is available upon request.

NPD16-200-2000

16-Way, 0.2~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.2~2GHz
Insertion Loss:	3.5dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

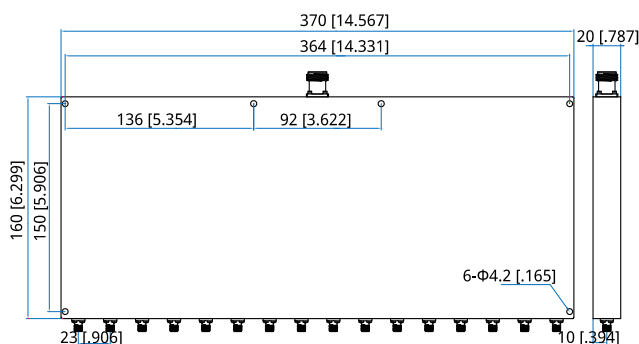
Size* ¹ :	160*370*20mm 6.299*14.567*0.787in
Input Connector:	N Female
Output Connector:	SMA Female
Mounting:	6-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-200-2000

Customization is available upon request.

NPD16-2490-2690-30-S

16-Way, 2.49~2.69GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2.49~2.69GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 4^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

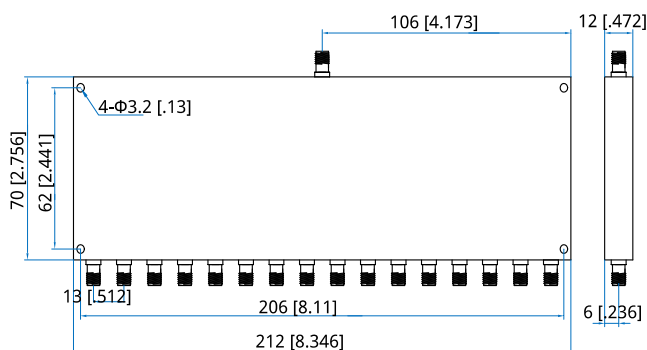
Size ^{*1} :	70*212*12mm 2.756*8.346*0.472in
Connectors:	SMA Female (Stainless steel)
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD16-2490-2690-30-S

Customization is available upon request.

NPD16-260-460-20-S

16-Way, 0.26~0.46GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.26~0.46GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.25 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	20W max. 2W max. as combiner

Mechanical

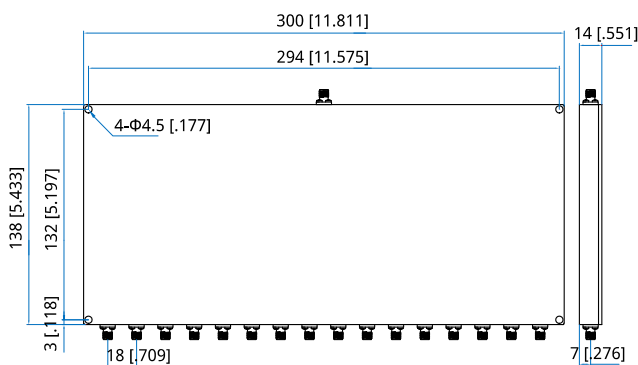
Size*1:	300*138*14mm 11.811*5.433*0.551in
Weight:	2.1Kg
Connectors:	SMA Female
Mounting:	4-Φ4.5mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-260-460-20-S

Customization is available upon request.

NPD16-2610-3000-30-S

16-Way, 2.61~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2.61~3GHz
Insertion Loss:	1.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

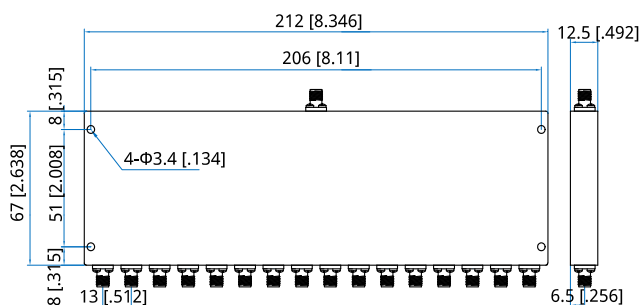
Size*1:	67*212*12.5mm 2.638*8.346*0.492in
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-2610-3000-30-S

Customization is available upon request.

NPD16-300-4000-30-S

16-Way, 0.3~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.3~4GHz
Insertion Loss:	4dB max.
Input VSWR:	1.45 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

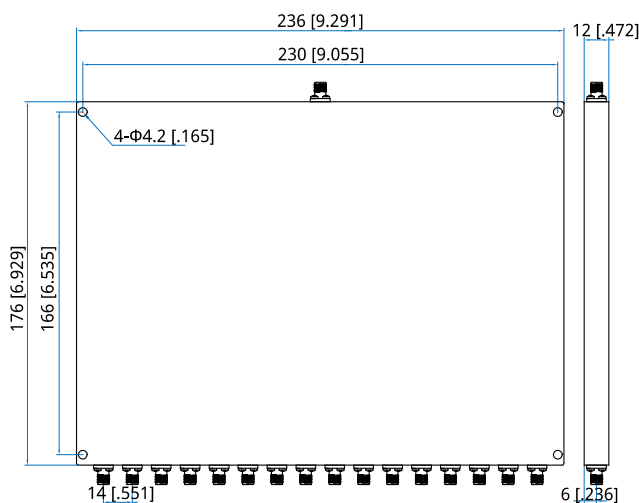
Size* ¹ :	236*176*12mm 9.291*6.929*0.472in
Weight:	3.5Kg
Connectors:	SMA Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-300-4000-30-S

Customization is available upon request.

NPD16-380-6000

16-Way, 0.38~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.38~6GHz
Insertion Loss:	6.0dB max. (SMA) 6.8dB max. (N)
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	$\pm 8^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4- Φ 4.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD16-380-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

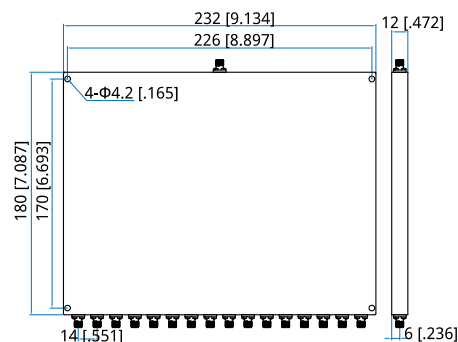
N - N Female (Outline B)

Examples:

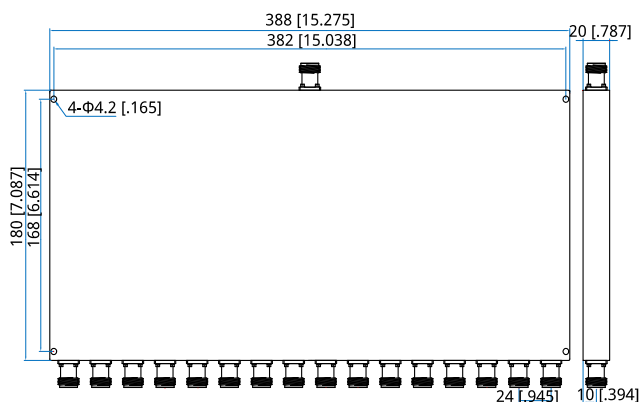
To order a 16-way power divider, 0.38~6GHz, 30W, N female, specify NPD16-380-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

NPD16-400-6000

16-Way, 0.4~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.4~6GHz
Insertion Loss:	5.0dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

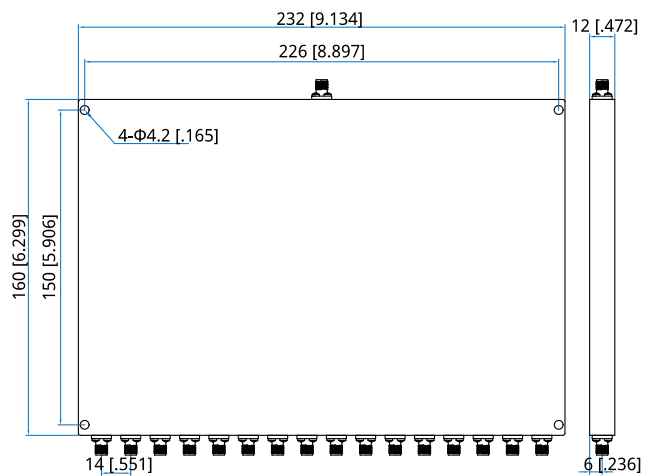
Size*1:	160*232*12mm 6.299*9.134*0.472in
Connectors:	SMA Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-400-6000

Customization is available upon request.

NPD16-5000-12000-20-S

16-Way, 5~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5~12GHz
Insertion Loss:	4.0dB max.
Input VSWR:	1.8 max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	0.7dB max.
Phase Balance:	$\pm 10^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

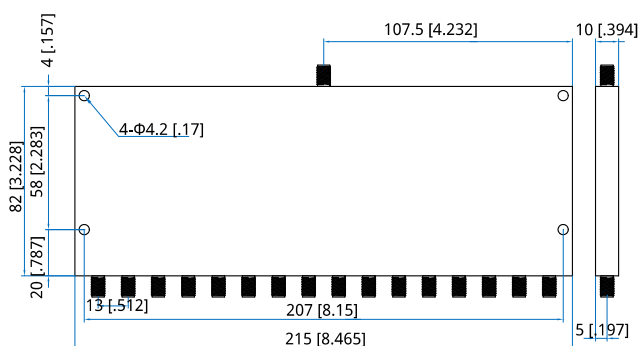
Size ^{*1} :	82*215*10mm 3.228*8.465*0.394in
Connectors:	SMA Female
Mounting:	4- Φ 4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD16-5000-12000-20-S

Customization is available upon request.

NPD16-5000-18000-20-S

16-Way, 5~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5~18GHz
Insertion Loss:	5.0dB max.
Input VSWR:	2.0 max.
Output VSWR:	1.8 max.
Isolation:	15dB min.
Amplitude Balance:	0.7dB max.
Phase Balance:	$\pm 10^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

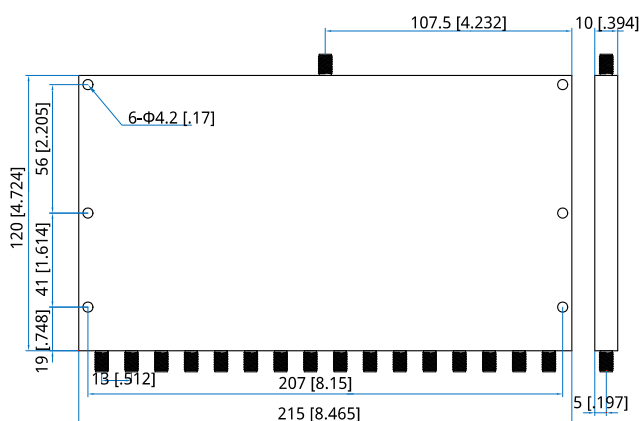
Size*1:	120*215*10mm 4.724*8.465*0.394in
Connectors:	SMA Female
Mounting:	6- Φ 4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD16-5000-18000-20-S

Customization is available upon request.

NPD16-500-3000

16-Way, 0.5~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~3GHz
Insertion Loss:	3dB max.
Isolation:	18dB min.
VSWR:	1.6 max.
Amplitude Balance:	±1dB max.
Phase Balance:	±15° max.
Average Power:	50W typ. 2W max. as combiner
Impedance:	50Ω

Mechanical

Mounting: 4-Φ3.2mm through-hole

Environmental

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

How To Order

NPD16-500-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

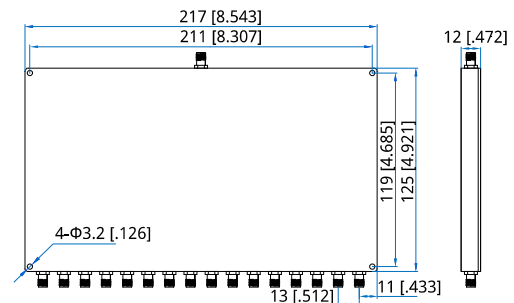
N - N Female (Outline B)

Examples:

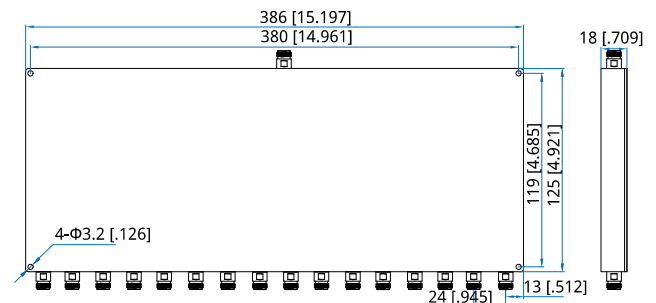
To order a 16-way power divider, 0.5~3GHz, 50W, N female, specify NPD16-500-3000-50-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD16-500-6000

16-Way, 0.5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~6GHz
Insertion Loss:	4.8dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	20dB min. (SMA) 18dB min. (N)
Amplitude Balance:	0.5dB max.
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4-Φ4.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD16-500-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

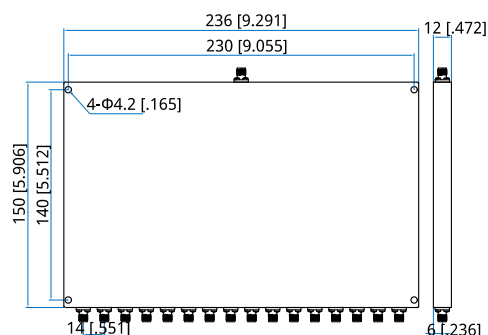
N - N Female (Outline B)

Examples:

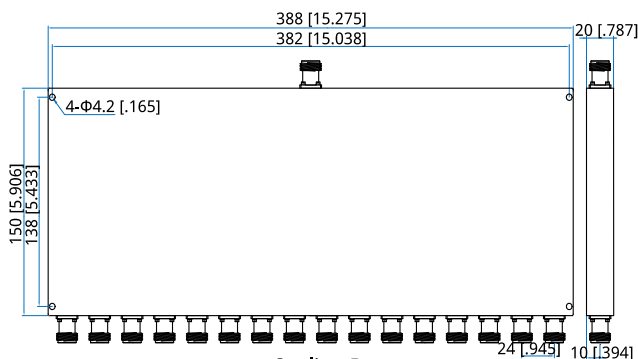
To order a 16-way power divider, 0.5~6GHz, 30W, N female, specify NPD16-500-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD16-50-1000-1-S

16-Way, 0.05~1GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.05~1GHz
Insertion Loss:	3.7dB max.
VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	±0.9dB max.
Phase Balance:	±15° max.
Impedance:	50Ω
Average Power:	1W max.

Mechanical

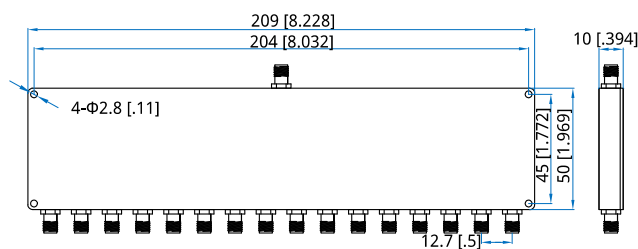
Size*1:	50*209*10mm 1.969*8.228*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-40~+80°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-50-1000-1-S

Customization is available upon request.

NPD16-5-1000-2-S

16-Way, 5~1000MHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5~1000MHz
Insertion Loss:	24±2.0dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.3 max.
Isolation:	24dB min.
Amplitude Balance:	±1.2dB
Impedance:	50Ω
Average Power:	2W

Mechanical

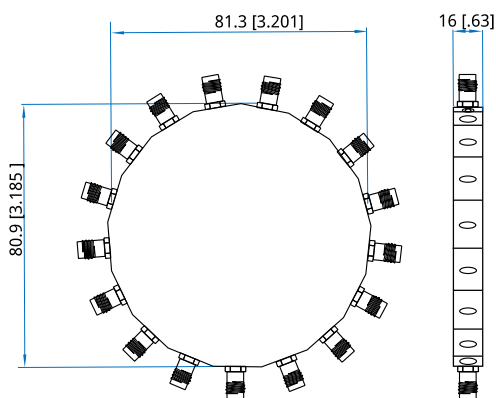
Size ^{*1} :	81.3*80.9*16mm 3.201*3.185*0.63in
Connectors:	SMA Female

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-5-1000-2-S

Customization is available upon request.

NPD16-5-300-1-S

16-Way, 5~300MHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5~300MHz
Insertion Loss:	2.7dB max.
VSWR:	1.5 max.
Isolation:	18dB min.
Amplitude Balance:	±0.9dB max.
Phase Balance:	±15° max.
Impedance:	50Ω
Average Power:	1W max.

Mechanical

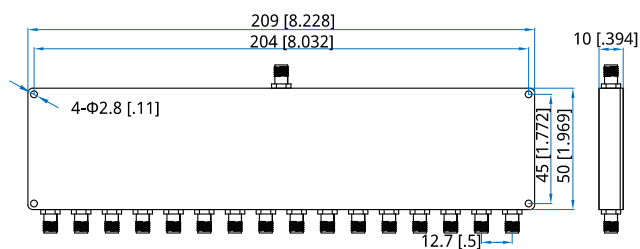
Size*1:	50*209*10mm 1.969*8.228*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-40~+80°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-5-300-1-S

Customization is available upon request.

NPD16-6000-18000-20-S

16-Way, 6~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	6~18GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.6max.
Output VSWR:	1.5 max.
Isolation:	17dB min.
Amplitude Balance:	±0.8dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

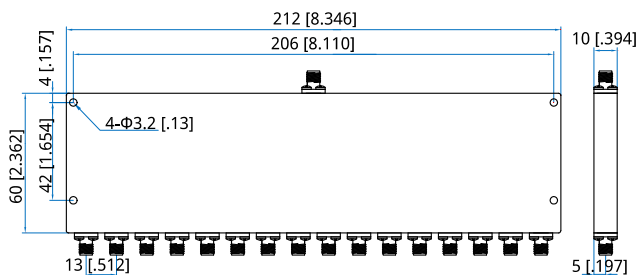
Size ^{*1} :	60*212*10mm 2.362*8.346*0.394in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-6000-18000-20-S

Customization is available upon request.

NPD16-600-2000-30-S

16-Way, 0.6~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~2GHz
Insertion Loss:	1.4dB 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

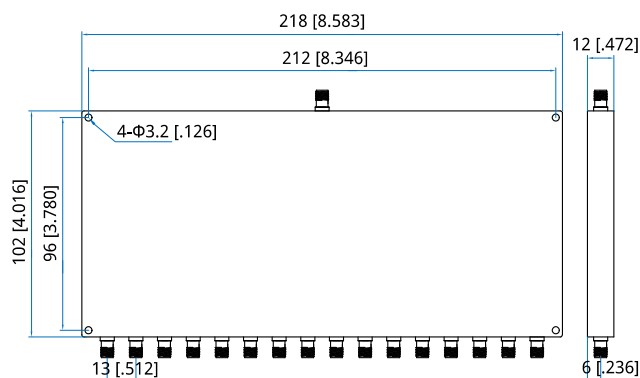
Size* ¹ :	102*218*12mm 4.016*8.583*0.472in
Weight:	540g
Connectors:	SMA Female (Stainless steel)
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-600-2000-30-S

Customization is available upon request.

NPD16-600-3000

16-Way, 0.6~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~3GHz
Insertion Loss:	2.2dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

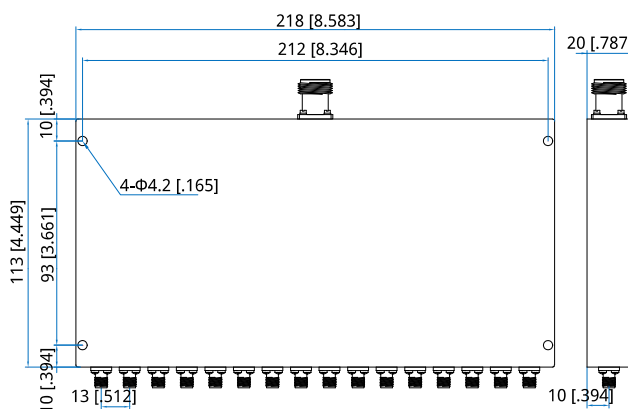
Size*1:	113*218*20mm 4.449*8.583*0.787in
Input Connector:	N Female
Output Connector:	SMA Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-600-3000

Customization is available upon request.

NPD16-600-6000-30-S

16-Way, 0.6~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~6GHz
Insertion Loss:	4.5dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

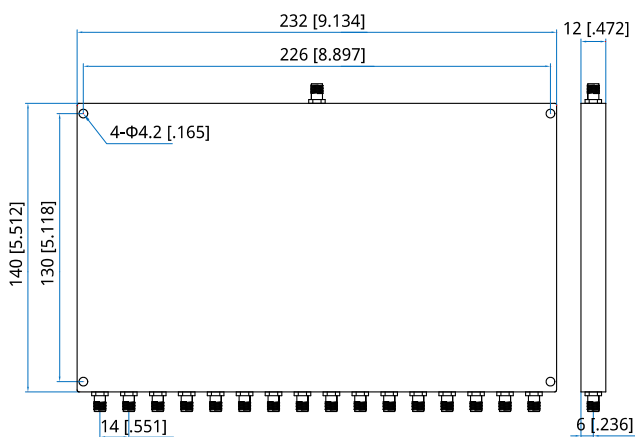
Size ^{*1} :	140*232*12mm 5.512*9.134*0.472in
Weight:	950g
Connectors:	SMA Female
Mounting:	4-Φ4.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-600-6000-30-S

Customization is available upon request.

NPD16-700-3000

16-Way, 0.7~3GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~3GHz
Insertion Loss:	1.4dB max. (SMA) 1.8dB max. (N)
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max. (SMA) 0.4dB max. (N)
Phase Balance:	±5° (SMA) ±6° (N)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting:	6-Φ2.8mm 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

NPD16-700-3000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

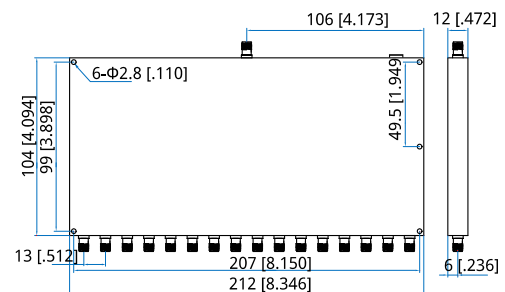
N - N Female (Outline B)

Examples:

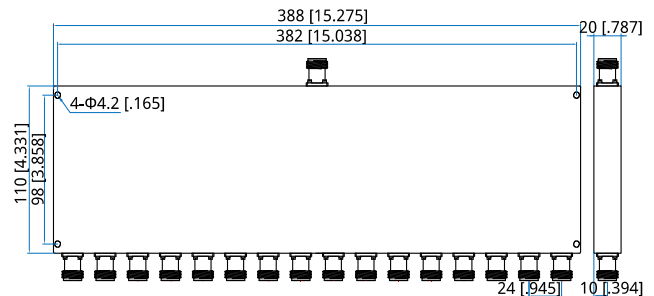
To order a 16-way power divider, 0.7~3GHz, 30W, N female, specify NPD16-700-3000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD16-700-4000

16-Way, 0.7~4GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~4GHz
Insertion Loss:	2.4dB max. (SMA) 2.2dB max. (TNC)
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	18dB min. (SMA) 20dB min. (TNC)
Amplitude Balance:	±0.4dB
Phase Balance:	±8° (SMA) ±6° (TNC)
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4-Φ4.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD16-700-4000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

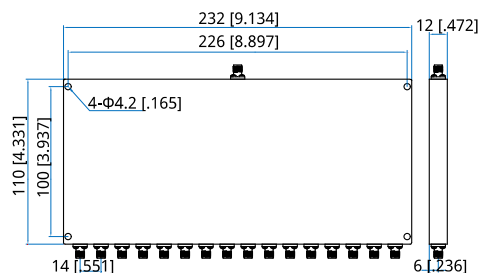
T - TNC Female (Outline B)

Examples:

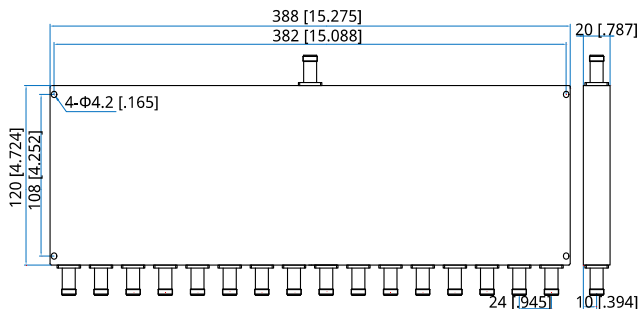
To order a 16-way power divider, 0.7~4GHz, 30W, N female, specify NPD16-700-4000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD16-700-6000

16-Way, 0.7~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~6GHz
Insertion Loss:	3.8dB max. (N) 3.5dB max. (TNC)
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min. (N) 20dB min. (TNC)
Amplitude Balance:	0.5dB max. (N) ±0.5dB (TNC)
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

Mounting: 4-Φ4.2mm through-hole

Environmental

Operation Temperature: -35~+75°C

How To Order

NPD16-700-6000-X-Y

X: Average power as divider

Y: Connector type

Connector naming rules:

N - N Female (Outline A)

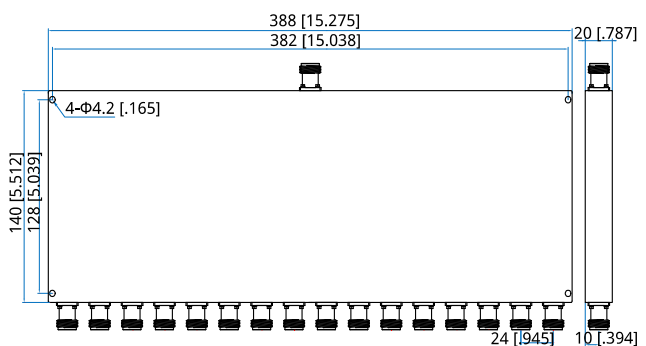
T - TNC Female (Outline B)

Examples:

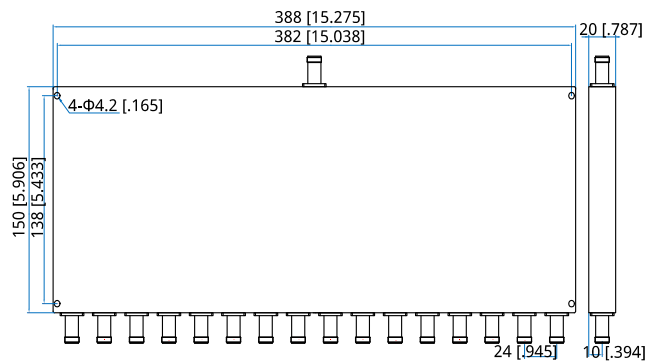
To order a 16-way power divider, 0.7~6GHz, 30W, N female, specify NPD16-700-6000-30-N.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NPD16-8000-12000-20-S

16-Way, 8~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	8~12GHz
Insertion Loss:	1.8dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	±0.5dB
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

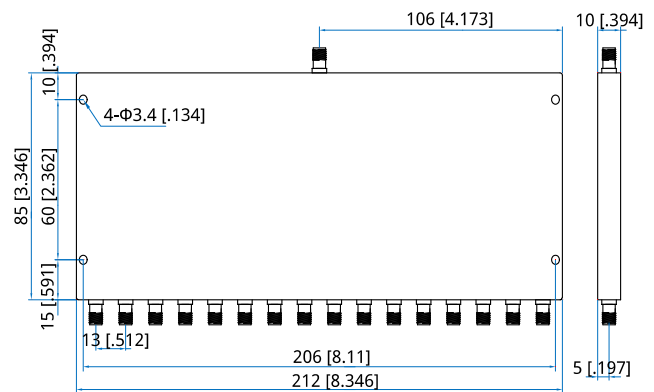
Size ^{*1} :	212*85*10mm 8.346*3.346*0.394in
Weight:	550g
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-8000-12000-20-S

Customization is available upon request.

NPD16-800-5000-50-N

16-Way, 0.8~5GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.8~5GHz
Insertion Loss:	3.5dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.4dB max.
Phase Balance:	±6°
Impedance:	50Ω
Power @SUM Port:	50W max. as divider 5W max. as combiner

Mechanical

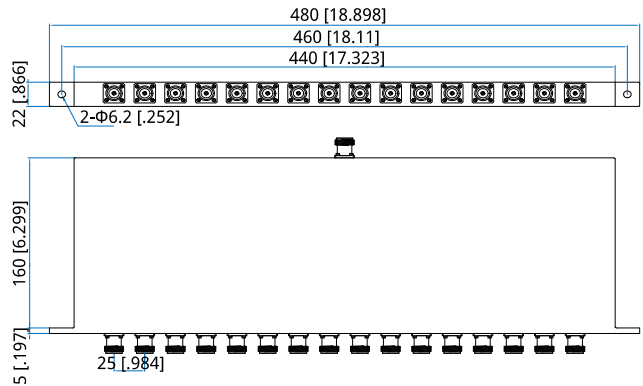
Size ^{*1} :	480*160*22mm 18.898*6.299*0.866in
Weight:	3.8Kg
Connectors:	N Female
Mounting:	2-Φ6.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-800-5000-50-N

Customization is available upon request.

NPD16-950-2150-30-S

16-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:	1.2dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	25dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

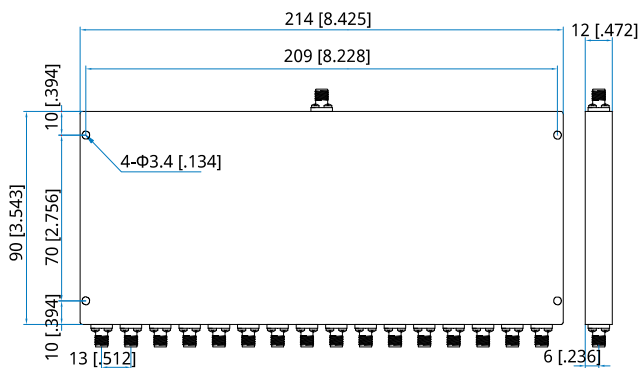
Size*1:	90*214*12mm 3.543*8.425*0.472in
Connectors:	SMA Female
Mounting:	4-Φ3.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD16-950-2150-30-S

Customization is available upon request.

NPD16-98-102-30-N

16-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:	1.2dB max.
Input VSWR:	1.2 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.3dB max.
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

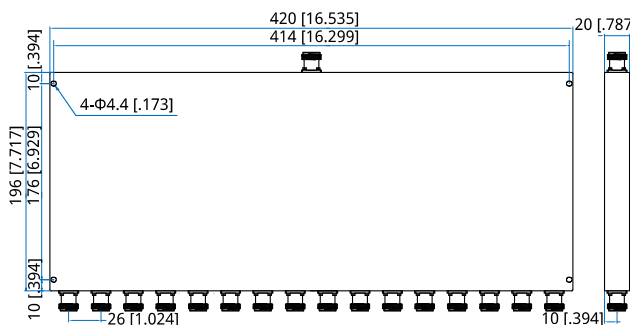
Size*1:	420*196*20mm 16.535*7.717*0.787in
Weight:	4.5Kg
Connectors:	N Female
Mounting:	4- Φ 4.4mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD16-98-102-30-N

Customization is available upon request.