

NPD12-700-6000-30-S

12-Way, 0.7~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.7~6GHz
Insertion Loss:	4.3dB max.
Isolation:	16dB min.
VSWR:	1.6 max.
Amplitude Balance:	±1dB max.
Phase Balance:	±20° max.
Impedance:	50Ω
Average Power:	30W max.

Mechanical

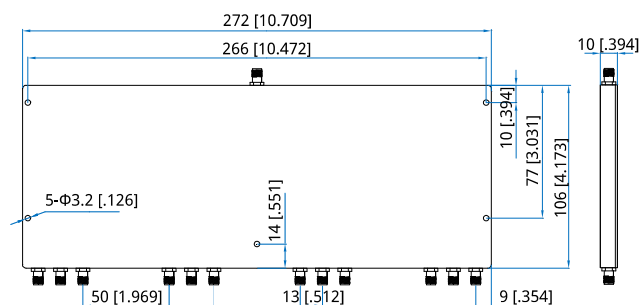
Size*1:	272*106*10mm 10.709*4.173*0.394in
Connectors:	SMA Female
Mounting:	5-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

Operation Temperature:	-55~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD12-700-6000-30-S

Customization is available upon request.

NPD12-1000-2000-30-N

12-Way, 1~2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	1~2GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

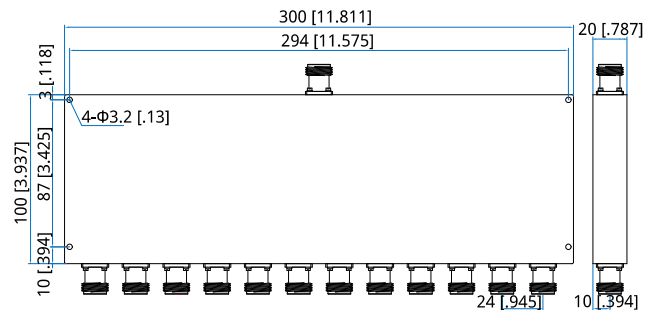
Size ^{*1} :	100*300*20mm 3.937*11.811*0.787in
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD12-1000-2000-30-N

Customization is available upon request.

NPD12-2000-6000-30-S

12-Way, 2~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~6GHz
Insertion Loss:	2.2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.4 max.
Isolation:	18dB min.
Amplitude Balance:	±0.8dB
Phase Balance:	±10°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

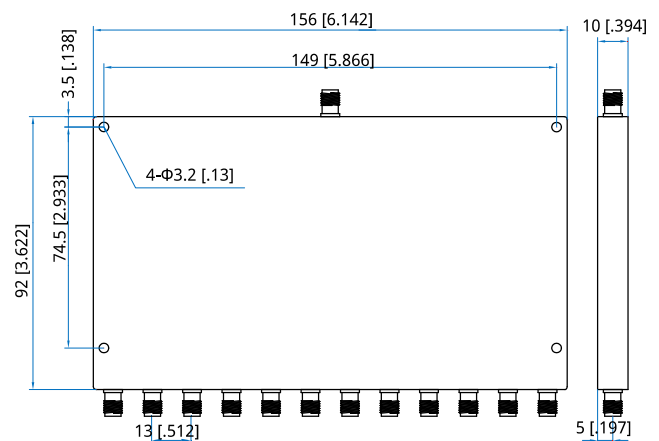
Size ^{*1} :	92*156*10mm 3.622*6.142*0.394in
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD12-2000-6000-30-S

Customization is available upon request.

NPD12-2000-8000-30-S

12-Way, 2~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~8GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.45 max.
Output VSWR:	1.25 max.
Isolation:	18dB min.
Amplitude Balance:	0.6dB max
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

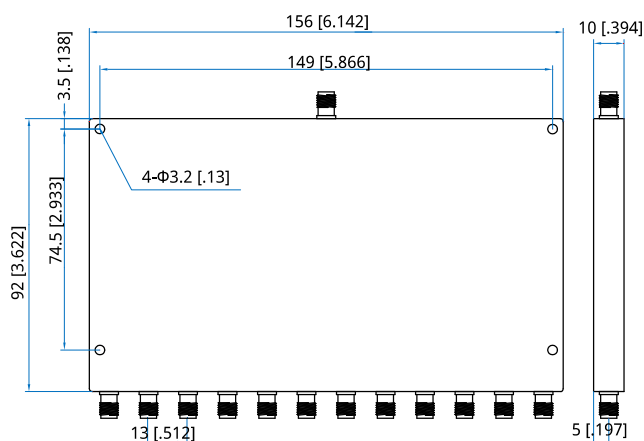
Size ^{*1} :	92*156*10mm 3.622*6.142*0.394in
Weight:	340g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD12-2000-8000-30-S

Customization is available upon request.

NPD12-2000-18000-20-S

12-Way, 2~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	2~18GHz
Insertion Loss:	4.2dB max.
Input VSWR:	2 max.
Output VSWR:	1.8 max.
Isolation:	15dB min.
Amplitude Balance:	0.8dB max.
Phase Balance:	$\pm 12^\circ$
Impedance:	50 Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

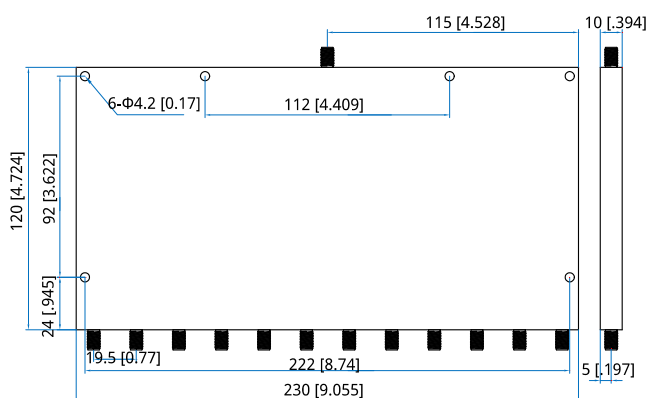
Size ^{*1} :	120*230*10mm 4.724*9.055*0.394in
Connectors:	SMA Female
Mounting:	6- Φ 4.2mm through-hole

[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

NPD12-2000-18000-20-S

Customization is available upon request.

NPD12-4900-5200-30-S

12-Way, 4.9~5.2GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	4.9~5.2GHz
Insertion Loss:	1dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.6dB max
Phase Balance:	$\pm 3^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

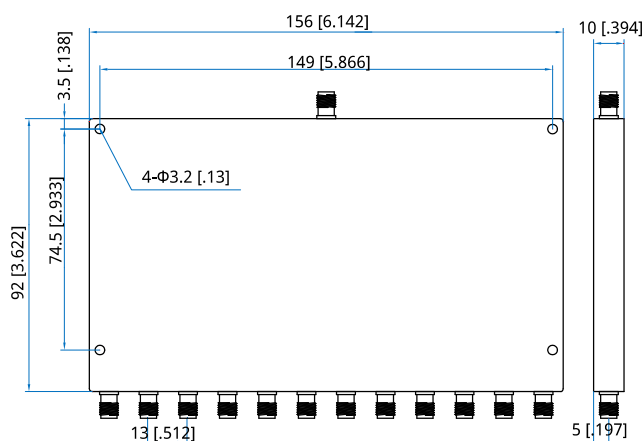
Size ^{*1} :	92*156*10mm 3.622*6.142*0.394in
Weight:	340g
Connectors:	SMA Female
Mounting:	4- Φ 3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD12-4900-5200-30-S

Customization is available upon request.

NPD12-5000-6000-20-S

12-Way, 5~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5~6GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.22 max.
Output VSWR:	1.22 max.
Isolation:	20dB min.
Amplitude Balance:	±0.25dB
Phase Balance:	±5°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

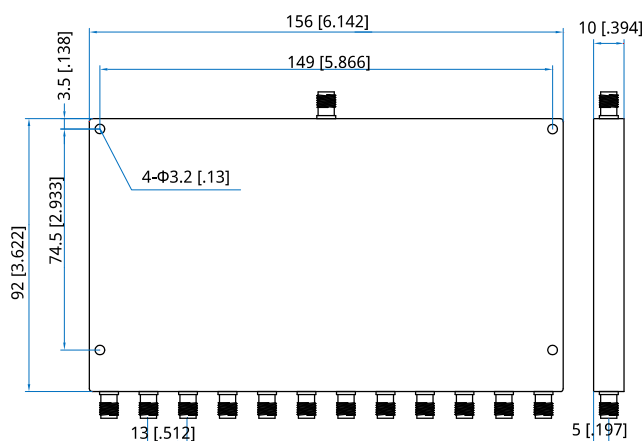
Size ^{*1} :	92*156*10mm 3.622*6.142*0.394in
Weight:	340g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[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

NPD12-5000-6000-20-S

Customization is available upon request.

NPD12-5800-20-S

12-Way, 5.8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	5.8GHz
Insertion Loss:	1.6dB max.
Input VSWR:	1.4 max.
Output VSWR:	1.3 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±6°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

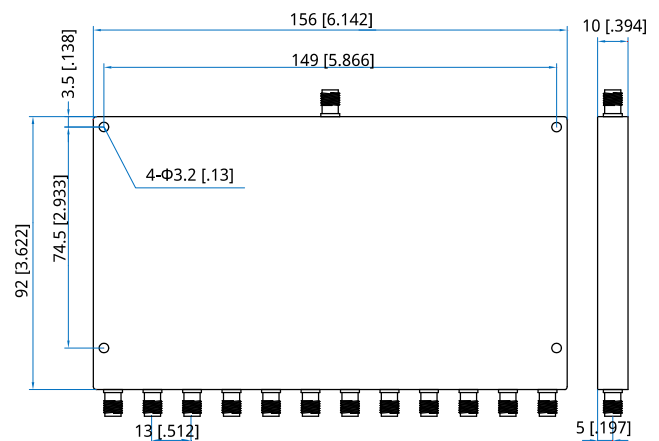
Size* ¹ :	92*156*10mm 3.622*6.142*0.394in
Weight:	340g
Connectors:	SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD12-5800-20-S

Customization is available upon request.

NPD12-6000-18000-20-S

12-Way, 6~18GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	6~18GHz
Insertion Loss:	2.0dB max.
Input VSWR:	1.8max.
Output VSWR:	1.6 max.
Isolation:	16dB min.
Amplitude Balance:	±0.6dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

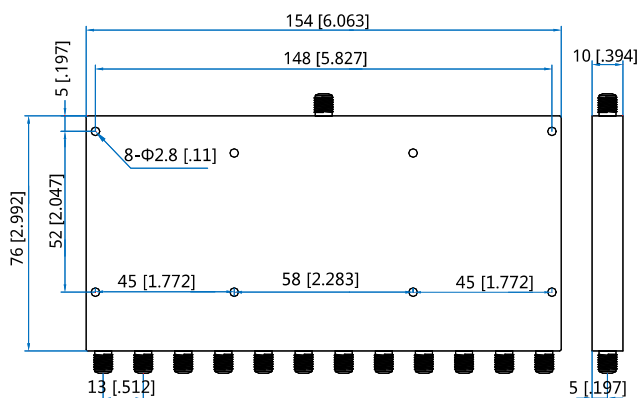
Size ^{*1} :	76*154*10mm 2.992*6.063*0.394in
Weight:	315g
Connectors:	SMA Female
Mounting:	8-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD12-6000-18000-20-S

Customization is available upon request.

NPD12-8000-12000-20-S

12-Way, 8~12GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	8~12GHz
Insertion Loss:	1.5dB max.
Input VSWR:	1.7max.
Output VSWR:	1.5 max.
Isolation:	16dB min.
Amplitude Balance:	±0.6dB
Phase Balance:	±8°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

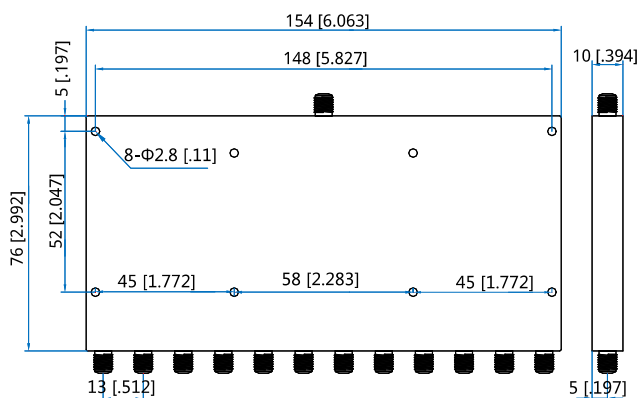
Size ^{*1} :	76*154*10mm 2.992*6.063*0.394in
Weight:	315g
Connectors:	SMA Female
Mounting:	8-Φ2.8mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD12-8000-12000-20-S

Customization is available upon request.

NPD12-0-5000-2-S

12-Way, DC~5GHz, 2W

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	DC~5GHz
Insertion Loss:	21.6±2dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.5 max.
Isolation:	20dB min.
Amplitude Balance:	±2dB
Impedance:	50Ω
Average Power:	2W

Mechanical

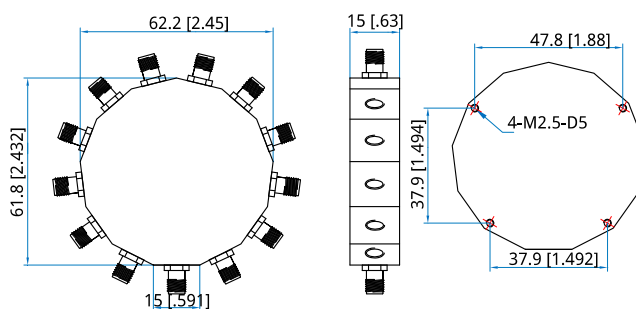
Size ^[1] :	62.2*61.8*16mm 2.45*2.432*0.63in
Connectors:	SMA Female
Mounting:	4-M2.5, depth 5mm

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPD12-0-5000-2-S

Customization is available upon request.

NPD12-240

12-Way, 240MHz

Features:

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

Applications:

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

Electrical

Frequency:	240MHz
Insertion Loss:	0.8dB max.
Input VSWR:	1.3 max.
Output VSWR:	1.2 max.
Isolation:	20dB min.
Amplitude Balance:	0.5dB max.
Phase Balance:	±4°
Impedance:	50Ω
Average Power:	30W max.
	2W max. as combiner

Mechanical

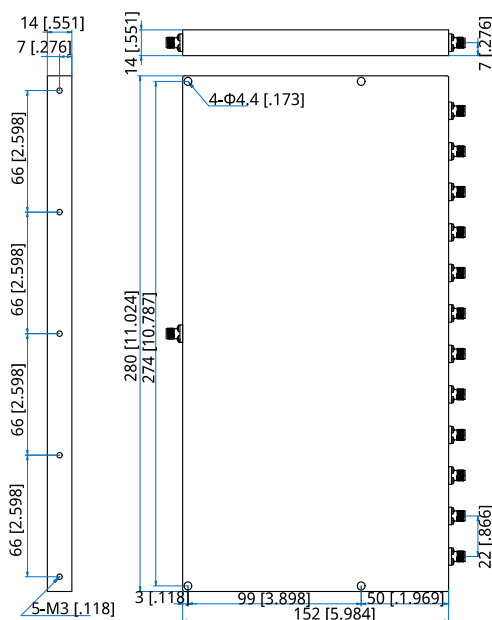
Size*1:	280*152*14mm 11.024*5.984*0.551in
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole 5-M3

[1] Exclude connectors.

Environmental

Operation Temperature: -35~+75℃

Outline Drawings



Unit: mm [in]

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

How To Order

NPD12-240

Customization is available upon request.

NPD12-500-8000-20-S

12-Way, 0.5~8GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.5~8GHz
Insertion Loss:	5dB max.
Input VSWR:	1.6 max.
Output VSWR:	1.4 max.
Isolation:	16dB min.
Amplitude Balance:	±1.2dB
Phase Balance:	±12°
Impedance:	50Ω
Average Power:	20W max. 1W max. as combiner

Mechanical

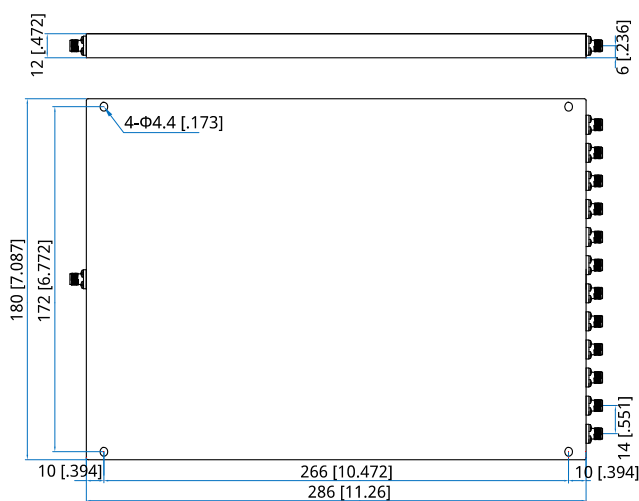
Size* ¹ :	286*180*12mm 11.26*7.087*0.472in
Weight:	680g
Connectors:	SMA Female
Mounting:	4-Φ4.4mm through-hole

[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

NPD12-500-8000-20-S

Customization is available upon request.

NPD12-600-6000

12-Way, 0.6~6GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

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

Electrical

Frequency:	0.6~6GHz
Insertion Loss:	5.0dB max.
Input VSWR:	1.5 max.
Output VSWR:	1.3 max.
Isolation:	18dB min.
Amplitude Balance:	1.0dB max.
Phase Balance:	$\pm 12^\circ$
Impedance:	50 Ω
Average Power:	30W max. 2W max. as combiner

Mechanical

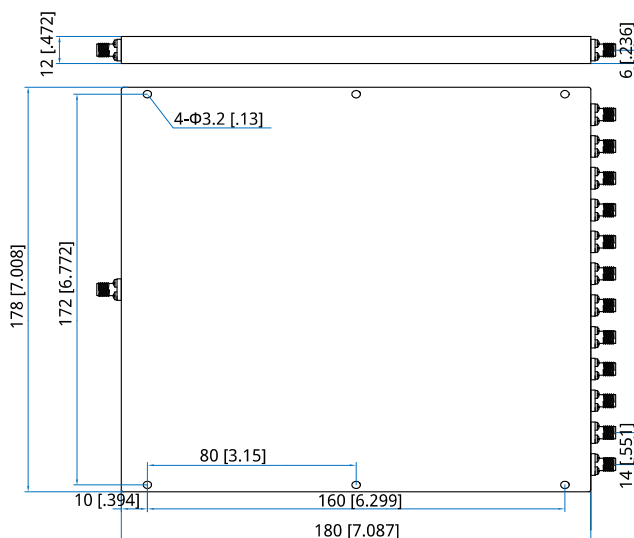
Size* ¹ :	180*178*12mm 7.087*7.008*0.472in
Connectors:	SMA Female
Mounting:	4- $\Phi 3.2$ mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NPD12-600-6000

Customization is available upon request.