

NL-30-10

0.03GHz, 10dBm

Features:
* Broadband

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	0.03GHz
Insertion Loss:	1.2dB
Flat Leakage:	10dBm typ.
VSWR:	1.5
Average Power:	10W max.
Impedance:	50Ω

Mechanical

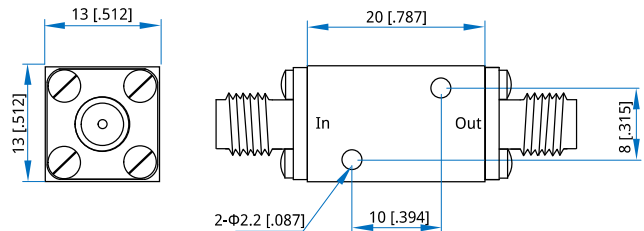
Size ^{*1} :	20*13*13mm 0.787*0.512*0.512in
RF Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NL-30-10

Customization is available upon request.

NL-50-6000-17

0.05~6GHz, 17dBm

Features:
* Broadband

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	0.05~6GHz
Insertion Loss:	0.85dB max.
Flat Leakage:	17dBm typ.
Input VSWR:	2 typ.
Output VSWR:	2.2 typ.
Peak Power Handling:	47dBm
Impedance:	50Ω

Mechanical

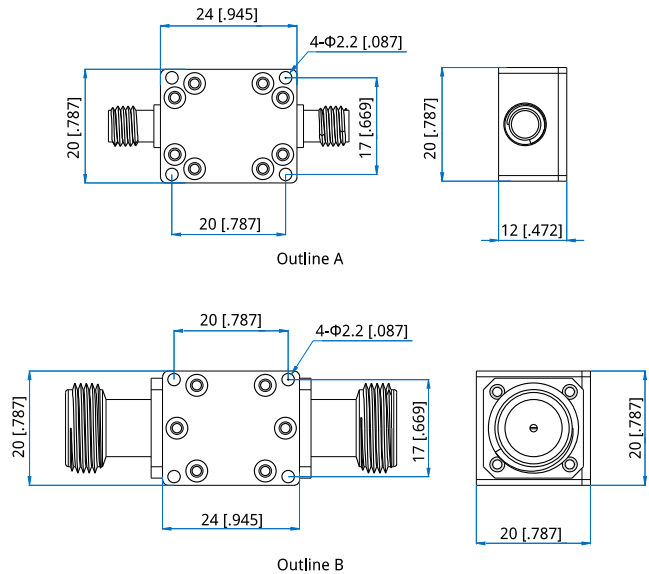
Size*(SMA):	24*20*12mm 0.945*0.787*0.472in
Size*(N):	24*20*20mm 0.945*0.787*0.787in
RF Connectors:	N Female (Outline B) SMA Female (Outline A)
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-45~+85°C
Non-Operating Temperature:	-55~+150°C

Outline Drawings



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

How To Order

[NL-50-6000-17-S](#)

[NL-50-6000-17-N](#)

Customization is available upon request.

NL-300-6000-10

0.3~6GHz, 10dBm

Features:
* Broadband

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	0.3~6GHz
Insertion Loss:	1.2dB max.
Flat Leakage:	10dBm max.
VSWR:	1.5 max.
Average Power:	10W
Impedance:	50Ω

Mechanical

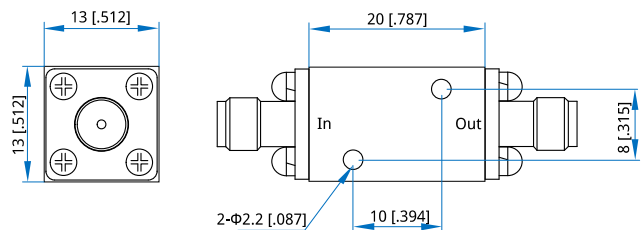
Size ^{*1} :	20*13*13mm 0.787*0.512*0.512in
RF Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

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



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NL-300-6000-10

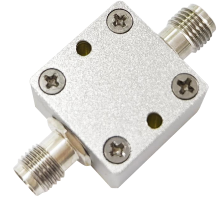
Customization is available upon request.

NL-1000-18000-18

1~18GHz, 18dBm

Features:
* Broadband

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar



Electrical

Frequency:	1~18GHz
Insertion Loss:	1dB typ.
Flat Leakage:	18dBm typ.
VSWR:	2 typ.
Impedance:	50Ω

Absolute Maximum Ratings

RF Input Power:	37dBm
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Mechanical

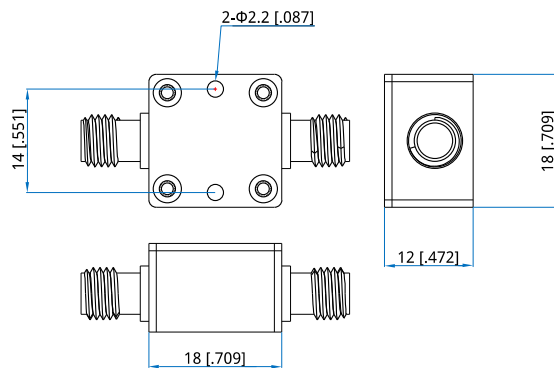
Size*1:	18*18*12mm 0.709*0.709*0.472in
RF Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



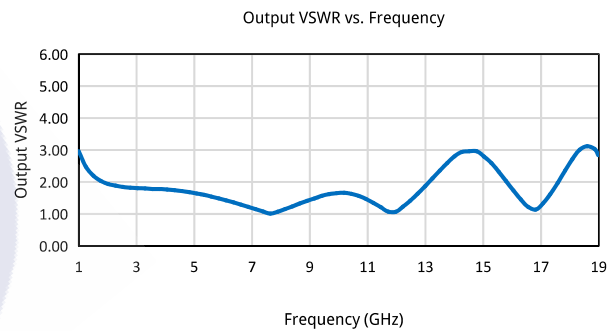
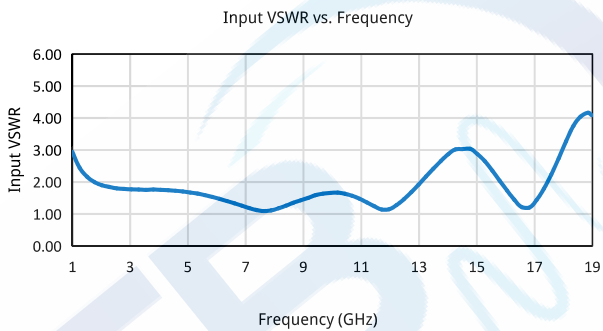
Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

How To Order

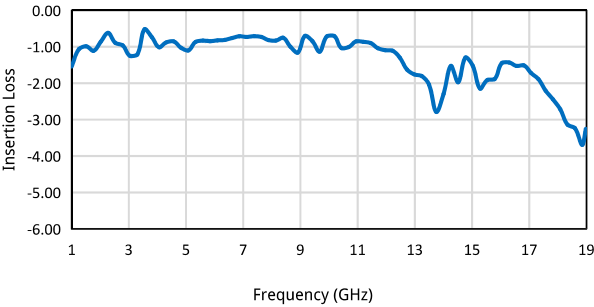
NL-1000-18000-18

Customization is available upon request.

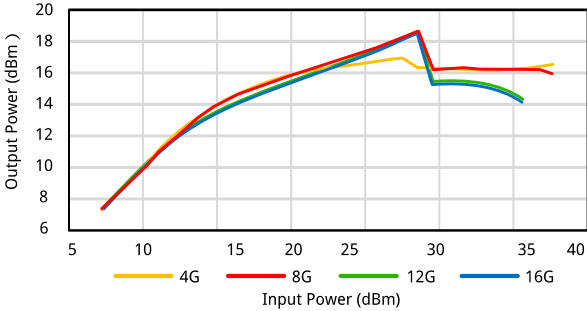
Typical Performance Curves



Insertion Loss vs. Frequency



Output Power vs. Input Power vs. Frequency @Temp.=+25°C



NL-8000-12000-14

8~12GHz, 14dBm

Features:
* Broadband

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar



Electrical

Frequency:	8~12GHz
Insertion Loss:	1.8dB typ.
Flat Leakage:	14dBm typ.
VSWR:	1.3 typ.
Impedance:	50Ω

Absolute Maximum Ratings

RF Input Power:	44dBm
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Mechanical

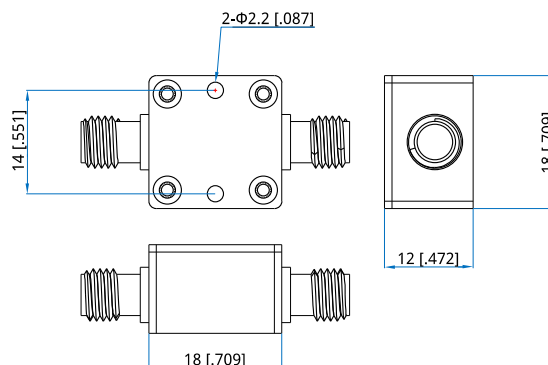
Size*1:	18*18*12mm 0.709*0.709*0.472in
RF Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



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

How To Order

NL-8000-12000-14

Customization is available upon request.

Typical Performance Curves

