

NLF-8000-40

DC~8GHz, 40dB

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

Passband:	DC~8GHz
Passband Insertion Loss:	2dB max.
VSWR:	2 max.
Stopband Attenuation:	40dB@9~25GHz min.

Mechanical

RF Connectors:	SMA Female
Mounting:	4- Φ 1.7mm through hole

Environmental

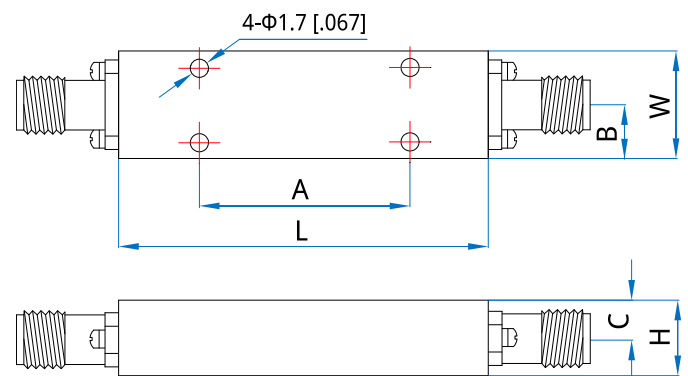
Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+85°C

How To Order

NLF-8000-40

Customization is available upon request.

Outline Drawings



Size	L	W	H	A	B	C
mm	56.44	15	12.9	30	7.5	6.45
in	2.222	0.591	0.508	1.181	0.295	0.254

Unit: mm [in]

Tolerance: ± 0.2 mm [± 0.008 in]

NLF-9000-60

DC~9GHz, 60dB

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

Passband:	DC~9GHz
Passband Insertion Loss:	1dB max.
Passband Ripple:	0.4dB max.
VSWR:	1.6 max.
Stopband Attenuation:	60dBc@14~17GHz min.
Average Power:	0.5W min.

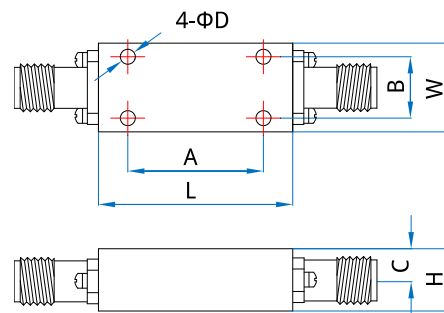
Mechanical

RF Connectors:	SMA Female, removable Φ0.38mm inner pin
Mounting:	4*2.2mm through-hole

Environmental

Operating Temperature:	0~+55°C
Non-operating Temperature:	-55~+85°C

Outline Drawings



Size	L	W	H	A	B	C	D
mm	29	22	12	20	17	6	2.2
in	1.142	0.866	0.472	0.787	0.669	0.236	0.087

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NLF-9000-60

Customization is available upon request.

NLF-18000-40

DC~18GHz, 40dB

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

Frequency:	DC~18GHz
Stop Band Attenuation:	40dBc@20~38GHz min. 60dBc@36GHz min.
Insertion Loss:	2dB max.
VSWR:	2 max.

Mechanical

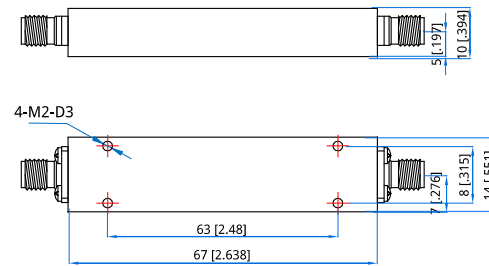
Size ^{*1} :	67*14*10mm 2.638*0.551*0.394in
RF Connectors:	2.92mm Female
Material:	Aluminum
Mounting:	4-M2, depth 3mm

[1] Exclude connectors.

Environmental

Operating Temperature:	-20~+55°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NLF-18000-40

Customization is available upon request.

NLF-20000-60

DC~20GHz, 60dBc, 20W

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

Passband:	DC~20GHz
Passband Insertion Loss:	1dB max.
Passband Ripple:	±0.5dB max.
VSWR:	2 max.
Stopband Attenuation:	60dBc@23~40GHz min.
Average Power:	20W max.

Mechanical

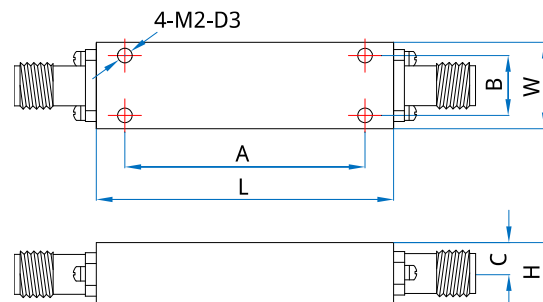
Size ^{*1} :	65*14*10mm 2.559*0.551*0.394in
RF Connectors:	2.92mm Female
Mounting:	4*M2, depth 3mm

[1] Exclude connectors.

Environmental

Operating Temperature: +15~+45°C

Outline Drawings



Size	L	W	H	A	B	C
mm	65	14	10	59	8	5
in	2.559	0.551	0.394	2.323	0.315	0.197

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NLF-20000-60

Customization is available upon request.

NLF-25000-40

DC~25GHz, 40dBc, 20W

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

Passband:	DC~25GHz
Passband Insertion Loss:	2dB max.
Passband Ripple:	±1dB max.
VSWR:	2 typ.
Stopband Attenuation:	40dB@28~30GHz
Average Power:	20W max.

Mechanical

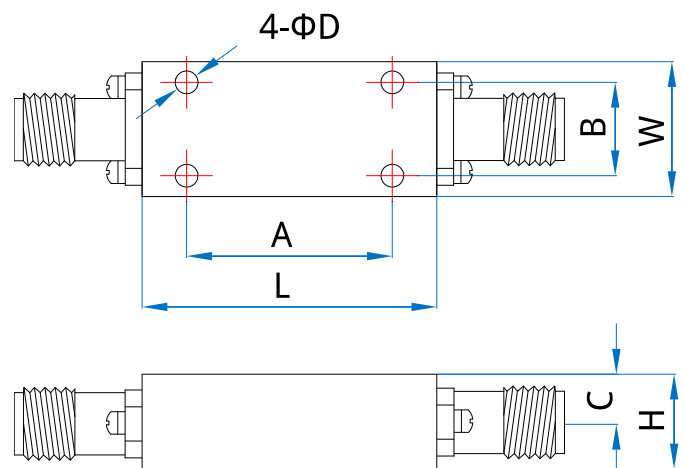
Size ^{*1} :	58*13*11mm 2.283*0.512*0.433in
RF Connectors:	2.92mm Female
Mounting:	4*Φ2.2mm through hole

[1] Exclude connectors.

Environmental

Operating Temperature: +15~+45°C

Outline Drawings



Size	L	W	H	A	B	C	D
mm	58	13	11	25	8	4.9	2.2
in	2.283	0.512	0.433	0.984	0.315	0.193	0.087

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NLF-25000-40

Customization is available upon request.

NLF-2186-30

1.5~2.186GHz, 30dB

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

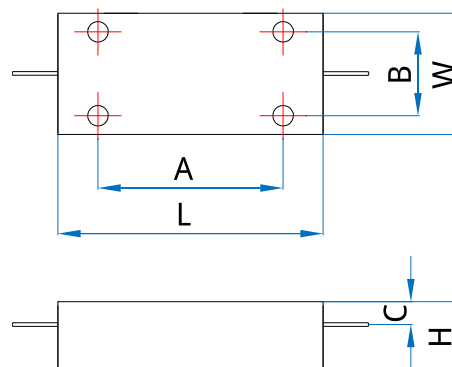
Passband:	1.5~2.186GHz
Passband Insertion Loss:	2.0dB max.
Passband Ripple:	2dB max.
VSWR:	1.6 max.
Stopband Attenuation:	10dBc@2.2775GHz min. 30dBc@2.37~3GHz min.

Mechanical

RF Connectors:	SMA Female Φ0.8mm Pin (optional)
Mounting:	4*M2, depth 4mm 4*M2 through-hole (optional)

Environmental

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



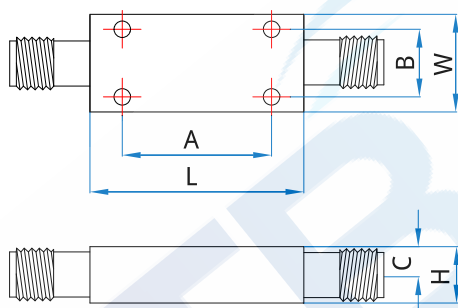
Size	L	W	H	A	B	C
mm	35	12	7	32	9	2.75
in	1.378	0.472	0.276	1.26	0.354	0.108

Outline B

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Outline Drawings



Size	L	W	H	A	B	C
mm	35	12	10	32	9	5
in	1.378	0.472	0.394	1.26	0.354	0.197

Outline A

How To Order

NLF-2186-30 - Outline A (SMA Female)

NLF-2186-30-P - Outline B (Pin)

Customization is available upon request.

NLF-6000-20

500~6000MHz, 20dB

Features:

- * High Stopband Rejection
- * Small Size

Applications:

- * Telecom
- * Laboratory Test
- * Receivers
- * Instrumentation

Electrical

Passband:	500~6000MHz
Passband Insertion Loss:	2dB max.
VSWR:	1.8 max.
Stopband Attenuation:	20dBc@6.5GHz min.

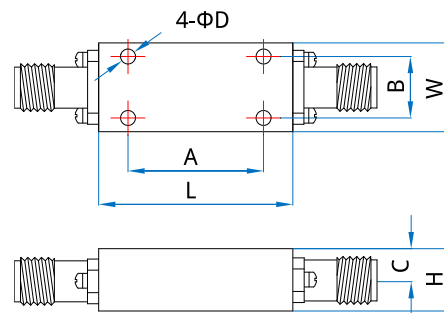
Mechanical

RF Connectors:	SMA Female
Mounting:	4-2.2mm through-hole

Environmental

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

Outline Drawings



Size	L	W	H	A	B	C	D
mm	37	24	11	28	19	5.5	2.2
in	1.457	0.945	0.433	1.102	0.748	0.217	0.087

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NLF-6000-20

Customization is available upon request.