8–18 GHz RF Bandpass Filter, 50 dB Minimum Rejection

The 8–18 GHz passband has insertion loss no greater than 2 dB. Stopband rejection is at least 50 dB over DC–6500 MHz and 21000–26000 MHz.

Passband VSWR is limited to 2.0. The silver-plated H62 copper housing provides SMA male input, SMA female output and 2 W design-guaranteed power handling.



Electrical specifications

Parameter	Value	Unit
Passband frequency	8000–18000	MHz
Insertion loss [1]	≤2.0	dB
Passband ripple [2]	≤1.0	dB
Lower stopband rejection [3]	≥50	dB
Upper stopband rejection [4]	≥50	dB
Passband VSWR [5]	≤2.0	-

[1] Maximum: 2 dB.

[2] Maximum: 1 dB.

[3] DC–6500 MHz Minimum: 50 dB.

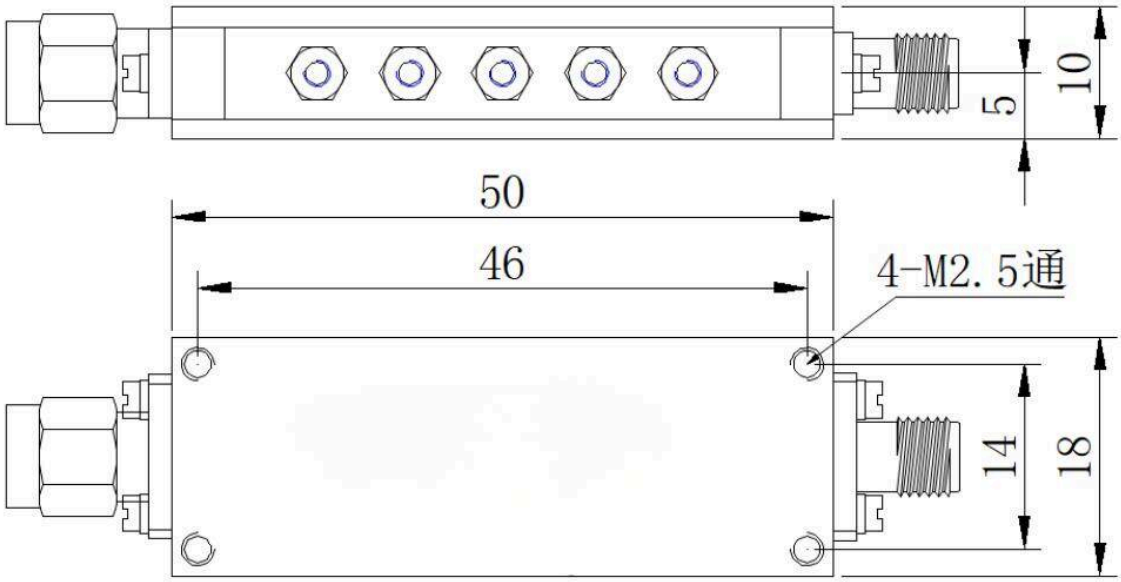
[4] 21000–26000 MHz Minimum: 50 dB.

[5] Maximum: 2.

Mechanical and environmental specifications

Parameter	Value	Unit
RF connectors	SMA male input / SMA female output	-
Impedance	50	Ω
Housing material	H62 copper	-
Surface finish	Silver-plated	-
Power handling	2 (Design guaranteed.)	W
Operating temperature	–55–+70 (Minimum: -55 °C. Maximum: 70 °C.)	°C
Storage temperature	–55–+85 (Design guaranteed. Minimum: -55 °C. Maximum: 85 °C.)	°C

Mechanical Outline



Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.