12–18 GHz RF Bandpass Filter, 2 W

The filter passes 12–18 GHz with insertion loss at most 2 dB and ripple at most 1 dB. Rejection is at least 40 dB over DC–11 GHz and 19–28 GHz.

The silver-plated H62 copper housing has SMA male input and SMA female output at 50 Ω. Its 2 W power handling is design guaranteed.



Electrical specifications

Parameter	Value	Unit
Passband frequency	12000–18000	MHz
Insertion loss	≤2	dB
Passband ripple	≤1	dB
Passband VSWR	≤2	-
Lower stopband rejection [1]	≥40	dB
Upper stopband rejection [2]	≥40	dB
Rated power handling	≤2	W

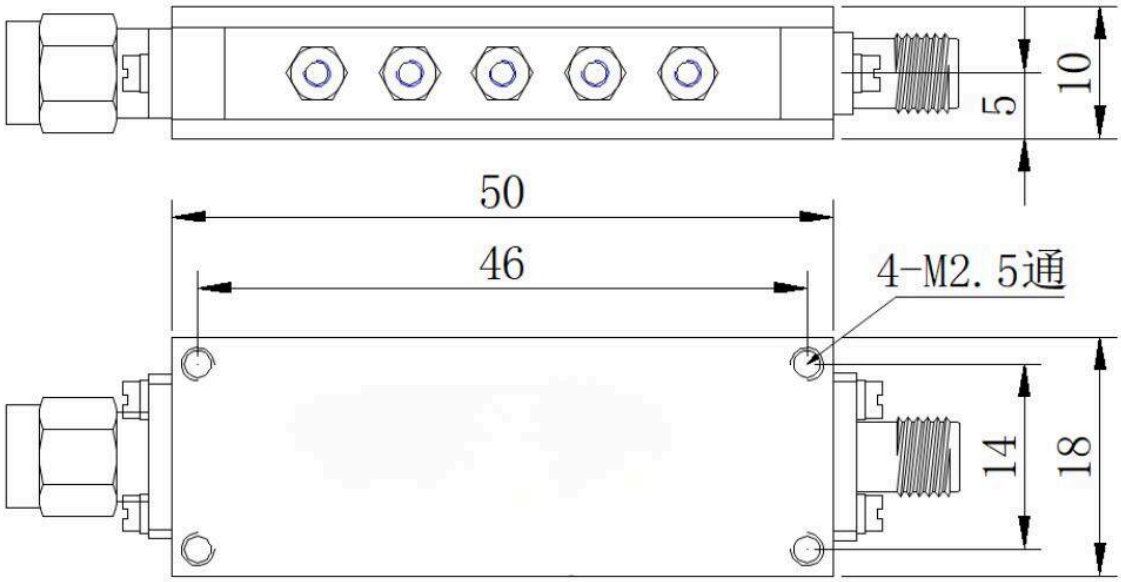
[1] DC–11 GHz Minimum: 40 dB.

[2] 19–28 GHz Minimum: 40 dB.

Mechanical and environmental specifications

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