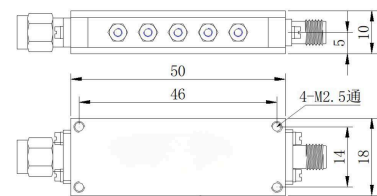


12–18 GHz RF Bandpass Filter, 2 W

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.



Electrical specifications

Parameter	Value	Unit	Notes
Passband frequency	12000–18000	MHz	Minimum: 12000 MHz. Maximum: 18000 MHz.
Insertion loss	≤2	dB	Maximum: 2 dB.
Passband ripple	≤1	dB	Maximum: 1 dB.
Passband VSWR	≤2	-	Maximum: 2.
Lower stopband rejection	≥40	dB	DC–11 GHz Minimum: 40 dB.
Upper stopband rejection	≥40	dB	19–28 GHz Minimum: 40 dB.
Rated power handling	≤2	W	Maximum: 2 W.

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

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.