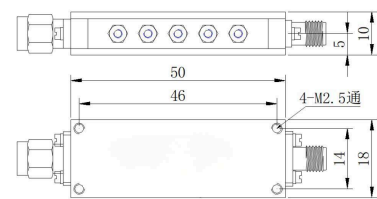


8–18 GHz RF Bandpass Filter, 50 dB Minimum Rejection

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.



Electrical specifications

Parameter	Value	Unit	Notes
Passband frequency	8000–18000	MHz	Minimum: 8000 MHz. Maximum: 18000 MHz.
Insertion loss	≤2.0	dB	Maximum: 2 dB.
Passband ripple	≤1.0	dB	Maximum: 1 dB.
Lower stopband rejection	≥50	dB	DC–6500 MHz Minimum: 50 dB.
Upper stopband rejection	≥50	dB	21000–26000 MHz Minimum: 50 dB.
Passband VSWR	≤2.0	-	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

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.