Bandpass Filter · 2200–2500 MHz

The SMA-K connectors are on opposite ends. Allow mating clearance and use the four 5 mm deep M2 tapped holes on the housing bottom.

RF Performance

Parameter	Value
Passband	2200–2500 MHz
Passband Insertion Loss [1]	≤ 2.5 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–2050 MHz	≥ 45 dB
Out-of-Band Rejection · 2750–4000 MHz	≥ 45 dB
VSWR [1]	≤ 1.50

[1] 2200–2500 MHz

Design Ratings Guaranteed by design

Parameter	Value
Power Handling	10 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	SMA-K
RF Impedance	50 Ω
Housing material	H62 brass
RF connector axis height above housing base	4 mm
Surface Finish	Black baked finish
Housing dimensions	35 × 12 × 8 mm (Excluding connector protrusion)
Mounting holes	4 × M2 bottom tapped holes (Hole-center spacing 32 × 9 mm · 5 mm deep)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid.

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.