Bandpass Filter · 8000–9000 MHz

Passband ripple is at most 1.0 dB. The mounting holes are on a 34 × 10 mm pattern.

RF Performance

Parameter	Value
Passband	8000–9000 MHz
Passband Insertion Loss [1]	≤ 2.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–7500 MHz	≥ 60 dBc
Out-of-Band Rejection · 9500–18000 MHz	≥ 60 dBc
VSWR [1]	≤ 1.50

[1] 8000–9000 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	Round microstrip pins, 2 × Ø0.38 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	37 × 13 × 7 mm (Excludes RF pin protrusions)
Mounting holes	4 × M1.6 through threaded holes (Hole-center spacing 34 × 10 mm)
RF pin axis offset in side view	3.5 mm (From the lower housing edge in the 7 mm thickness view)
Housing corner radius	1 mm
RF pin axis offset	6.5 mm (From the lower housing edge in the mounting-hole view)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. The two RF pins are on opposite end faces. The four mounting holes form a rectangular pattern at the housing corners.

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.