Bandpass Filter · 1248.52–1288.52 MHz

Evaluate the −0.5 dB bandwidth separately from the specified passband. Apply the insertion-loss limit to the occupied signal band within that passband.

RF Performance

Parameter	Value
Passband	1248.52–1288.52 MHz
Bandwidth at −0.5 dB	≥ 30 MHz
Passband Insertion Loss [1]	≤ 3.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1000 MHz	≥ 30 dBc
Out-of-Band Rejection · 1432–2600 MHz	≥ 30 dBc
VSWR [1]	≤ 1.50

[1] 1248.52–1288.52 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	2 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+95 °C

Mechanical Specifications

Parameter	Value
RF Interface	Round microstrip pins, Ø0.38 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	20 × 10 × 6 mm (Excludes RF pin protrusions)
Mounting holes	4 × M1.6 through threaded holes (Hole-center spacing 17.4 × 7.4 mm)
RF pin axis offset in side view	2 mm (From the lower housing edge in the 6 mm thickness view)
Housing corner radius	1.5 mm
RF pin axis offset	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.

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.