Bandpass Filter · 16–24 MHz

Check signal frequencies against the 16–24 MHz passband. Allow for the 37.4 × 9 mm mounting-hole center spacing and the two Ø0.5 mm round pins.

RF Performance

Parameter	Value
Passband	16–24 MHz
Passband Insertion Loss [1]	≤ 2.5 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–12 MHz	≥ 50 dBc
Out-of-Band Rejection · 32–70 MHz	≥ 50 dBc
VSWR [1]	≤ 1.8

[1] 16–24 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	2 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Round microstrip pins, Ø0.5 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	40.4 × 12 × 8 mm (Excludes RF pin protrusions)
Mounting holes	4 through holes, Ø1.8 mm (Hole-center spacing 37.4 × 9 mm · Countersink Ø3 mm × 90°)
RF pin-axis height above housing base	2.5 mm
Pin axis distance from housing side edge	6 mm
Housing corner radius	1 mm

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.