Bandpass Filter · 1000–1600 MHz

Route the microstrip lines to the opposed Ø0.5 mm round pins. Use the through-hole dimensions and hole-center spacing to lay out the mount.

RF Performance

Parameter	Value
Passband	1000–1600 MHz
Passband Insertion Loss [1]	≤ 2.5 dB
Passband Ripple [1]	≤ 2.0 dB
Out-of-Band Rejection · DC–750 MHz	≥ 60 dBc
Out-of-Band Rejection · 750–900 MHz	≥ 20 dBc
Out-of-Band Rejection · 1700–1800 MHz	≥ 10 dBc
Out-of-Band Rejection · 1800–3000 MHz	≥ 55 dBc
VSWR [1]	≤ 1.60

[1] 1000–1600 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	25 × 9.5 × 7 mm (Excludes RF pin protrusions)
Mounting holes	4 through holes, Ø1.8 mm (Hole-center spacing 22.4 × 6.9 mm)
RF pin-axis height above housing base	2 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.