Bandpass Filter · 2300–2500 MHz

Use the 13 × 7 mm hole-center spacing to align the opposed round microstrip pins.

RF Performance

Parameter	Value
Passband	2300–2500 MHz
Passband Insertion Loss [1]	≤ 4.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1400 MHz	≥ 50 dB
Out-of-Band Rejection · 136–530 MHz	≥ 60 dB
Out-of-Band Rejection · 1400–1600 MHz	≥ 45 dB
Out-of-Band Rejection · 2850–3120 MHz	≥ 40 dB
Out-of-Band Rejection · 3120–5000 MHz	≥ 50 dB
VSWR [1]	≤ 1.50

[1] 2300–2500 MHz

Design Ratings Guaranteed by design

Parameter	Value
Power Handling	1 W
Operating Temperature	−55...+85 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Round microstrip pins, Ø0.38 mm
RF Impedance	50 Ω
Housing corner radius	1 mm
Surface Finish	Silver plating
Housing dimensions	16 × 10 × 6 mm (Excludes RF pin protrusions)
Mounting holes	4 through holes, Ø1.8 mm (Hole-center spacing 13 × 7 mm)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Consult before ordering if the temperature of the complete unit will exceed 125 °C. For cutout mounting in multilayer microwave PCBs designed for frequencies above 2000 MHz, ensure proper grounding. The pin axes are centered across the 10 mm body width and 4 mm from the farther broad face.

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.