Bandpass Filter · 1300–2300 MHz

Select fasteners for the Ø2.2 mm through holes with Ø4 mm × 90° countersinks. The pin axis is 2 mm above the housing base.

RF Performance

Parameter	Value
Passband	1300–2300 MHz
Passband Insertion Loss [1]	≤ 2.5 dB
Passband Ripple [1]	≤ 1.3 dB
Out-of-Band Rejection · DC–1200 MHz	≥ 15 dB
Out-of-Band Rejection · 2400–6000 MHz	≥ 15 dB
VSWR [1]	≤ 1.80

[1] 1300–2300 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	1 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Round microstrip pins, Ø0.38 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	25 × 13 × 6 mm (Excludes RF pin protrusions)
Mounting holes	4 × Ø2.2 mm through holes (Hole-center spacing 20.5 × 8.5 mm · Countersink Ø4 mm × 90°)
Housing material	H62 brass
Housing corner radius	1 mm
RF pin-axis height above housing base	2 mm
Pin axis distance from housing side edge	6.5 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.

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.