Bandpass Filter · 2000–3500 MHz

Power handling of 2 W is guaranteed by design. Use the 20.5 × 8.5 mm mounting-hole center spacing when aligning the round microstrip pins.

RF Performance

Parameter	Value
Passband	2000–3500 MHz
Passband Insertion Loss [1]	≤ 2.5 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1200 MHz	≥ 60 dB
Out-of-Band Rejection · 1500–1750 MHz	≥ 35 dB
Out-of-Band Rejection · 4000–7000 MHz	≥ 50 dB
VSWR [1]	≤ 1.80

[1] 2000–3500 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, Ø0.38 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing material	H62 brass
Housing dimensions	25 × 13 × 6 mm (Excludes RF pin protrusions)
Mounting holes	4 through holes, Ø2.2 mm (Hole-center spacing 20.5 × 8.5 mm · Countersink Ø4 mm × 90°)
RF pin-axis height above housing base	2 mm
Pin axis distance from housing side edge	6.5 mm
Housing corner radius	1 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.

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.