Bandpass Filter · 1600–3000 MHz

Apply the rejection limit at 3200 MHz to that frequency point. Use the countersunk through holes to align the opposed pins.

RF Performance

Parameter	Value
Passband	1600–3000 MHz
Passband Insertion Loss [1]	≤ 3.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1200 MHz	≥ 60 dB
Out-of-Band Rejection · 1200–1350 MHz	≥ 30 dB
Out-of-Band Rejection · 3200 MHz [2]	≥ 15 dB
Out-of-Band Rejection · 3450–3700 MHz	≥ 30 dB
Out-of-Band Rejection · 3700–6000 MHz	≥ 60 dB
VSWR [1]	≤ 1.50

[1] 1600–3000 MHz

[2] 3200 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 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

Mechanical Specifications

Parameter	Value
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.