Bandpass Filter · 2000–2900 MHz

Use the rejection limit for each frequency range when evaluating interference. The threaded through holes have a 37.4 × 9 mm center pattern.

RF Performance

Parameter	Value
Passband	2000–2900 MHz
Passband Insertion Loss [1]	≤ 2.0 dB
Passband Ripple [1]	≤ 0.7 dB
Out-of-Band Rejection · DC–1300 MHz	≥ 70 dBc
Out-of-Band Rejection · 3600–5600 MHz	≥ 70 dBc
Out-of-Band Rejection · 5600–7000 MHz	≥ 25 dBc
VSWR [1]	≤ 1.50

[1] 2000–2900 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	40.4 × 12 × 8 mm (Excludes RF pin protrusions)
Mounting holes	4 × M2 through threaded holes (Hole-center spacing 37.4 × 9 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. For cutout mounting in multilayer microwave PCBs designed for frequencies above 2000 MHz, ensure proper grounding. The pin axes are 2.5 mm from the nearer broad face and centered across the 12 mm body width. The two RF pins are on opposite end faces. The four mounting holes form a rectangular pattern at the housing corners.

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.