Bandpass Filter · 1805–1920 MHz

Passband ripple is at most 1.0 dB. The mounting holes are on a 13 × 7 mm pattern.

RF Performance

Parameter	Value
Passband	1805–1920 MHz
Passband Insertion Loss [1]	≤ 3.8 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–960 MHz	≥ 60 dB
Out-of-Band Rejection · 960–1627 MHz	≥ 36 dB
Out-of-Band Rejection · 2010–2180 MHz	≥ 15 dB
Out-of-Band Rejection · 2180–4000 MHz	≥ 50 dB
VSWR [1]	≤ 1.50

[1] 1805–1920 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, 2 × Ø0.38 mm
RF Impedance	50 Ω
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)
RF pin axis offset in side view	4 mm (From the lower housing edge in the 6 mm thickness view)
Housing corner radius	1 mm
RF pin axis offset	5 mm (From the lower housing edge in the mounting-hole view)

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 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.