Bandpass Filter · 111–145 MHz

Choose the ripple limit for the frequency interval being evaluated. Check 111–145 MHz and 108–148 MHz separately. The specified passband is 111–145 MHz.

RF Performance

Parameter	Value
Passband	111–145 MHz
Passband Insertion Loss [1]	≤ 3.0 dB
Passband Ripple [1]	≤ 1.0 dB
Response ripple [2]	≤ 2.0 dB
Out-of-Band Rejection · DC–96.8 MHz	≥ 30 dB
Out-of-Band Rejection · 159.2–300 MHz	≥ 30 dB
VSWR [1]	≤ 1.50

[1] 111–145 MHz
[2] 108–148 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, 2 × 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 offset in side view	2 mm (From the lower housing edge in the 6 mm thickness view)
Housing corner radius	1 mm
RF pin axis offset	6.5 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.

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.