Bandpass Filter · 1500–1750 MHz

Use the specified rejection at 2150 MHz for that frequency point. Align the opposed Ø0.5 mm round microstrip pins during mounting.

RF Performance

Parameter	Value
Passband	1500–1750 MHz
Passband Insertion Loss [1]	≤ 1.2 dB
Passband Ripple [1]	≤ 0.3 dB
Out-of-Band Rejection · DC–900 MHz	≥ 30 dBc
Out-of-Band Rejection · 2150 MHz [2]	≥ 30 dBc
Out-of-Band Rejection · 2600–3500 MHz	≥ 65 dBc
VSWR [1]	≤ 1.50

[1] 1500–1750 MHz
[2] 2150 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, Ø0.5 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	25 × 9.5 × 7 mm (Excludes RF pin protrusions)
Mounting holes	4 × M1.6 through threaded holes (Hole-center spacing 22.4 × 6.9 mm)
RF pin-axis height above housing base	2 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.