Bandpass Filter · 1580–1720 MHz

Check the signal frequencies against the 1580–1720 MHz passband. Evaluate the separate 140 MHz minimum bandwidth at −1 dB.

RF Performance

Parameter	Value
Passband	1580–1720 MHz
Passband Insertion Loss [1]	≤ 4.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1000 MHz	≥ 60 dBc
Out-of-Band Rejection · 1000–1500 MHz	≥ 30 dBc
Out-of-Band Rejection · 1800–2300 MHz	≥ 30 dBc
Out-of-Band Rejection · 2300–4000 MHz	≥ 60 dBc
VSWR [1]	≤ 1.80
Bandwidth at −1 dB	≥ 140 MHz

[1] 1580–1720 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	24 × 9 × 7 mm (Excludes RF pin protrusions)
Mounting holes	4 × M1.6 through threaded holes (Hole-center spacing 21.4 × 6.4 mm)
RF pin-axis height above housing base	3 mm
Pin axis distance from housing side edge	4.5 mm
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.