Bandpass Filter · 104–170 MHz

Use the ratio of the 30 dB and 3 dB bandwidths to compare selectivity. The insertion-loss limit applies to the separate 104–170 MHz passband.

RF Performance

Parameter	Value
Passband	104–170 MHz
Passband Insertion Loss [1]	≤ 2.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–72 MHz	≥ 60 dB
Out-of-Band Rejection · 200–208 MHz	≥ 35 dB
Out-of-Band Rejection · 208–510 MHz	≥ 60 dB
Shape factor [2]	≤ 1.5
VSWR [1]	≤ 1.50
Time-delay variation	≤ 10 ns

[1] 104–170 MHz
[2] BW(30 dB) / BW(3 dB)

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	SMA-K
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	40.4 × 12 × 10 mm (Excluding connector protrusion)
Mounting holes	4 × M2 mounting threads (Hole-center spacing 37.4 × 9 mm)
Housing material	H62 brass

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.