Bandpass Filter · 174–232 MHz

Check signal coverage against the 174–232 MHz passband. For selectivity, the ratio of the bandwidths at −60 dB and −3 dB must be strictly below 2.

RF Performance

Parameter	Value
Passband	174–232 MHz
Passband Insertion Loss [1]	≤ 2.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–125 MHz	≥ 60 dBc
Out-of-Band Rejection · 288–1000 MHz	≥ 60 dBc
Shape factor [2]	< 2
VSWR [1]	≤ 1.50

[1] 174–232 MHz
[2] BW−60 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	30 × 12 × 10 mm (Excluding connector protrusion)
Mounting holes	4 × M2 mounting threads (Hole-center spacing 27 × 9 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.