Bandpass Filter · 133.6–173.6 MHz

Check the two threshold bandwidths separately. The bandwidth is at least 40 MHz at −2 dB and at most 55 MHz at −3 dB.

RF Performance

Parameter	Value
Center Frequency [1]	153.6 MHz
Passband	133.6–173.6 MHz
Passband Insertion Loss [2]	≤ 3.7 dB
Bandwidth at −2 dB	≥ 40 MHz
Bandwidth at −3 dB	≤ 55 MHz
Out-of-Band Rejection · DC–118.6 MHz	≥ 55 dB
Out-of-Band Rejection · 188.6–1000 MHz	≥ 55 dB
Shape factor [3]	≤ 2.0
VSWR [2]	≤ 1.80

[1] Typical
[2] 133.6–173.6 MHz
[3] BW−60 dB / BW−3 dB

Design Ratings Guaranteed by design

Parameter	Value
Power Handling	2 W
Operating Temperature	−45...+75 °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)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Consult before ordering if the temperature of the complete unit will exceed 125 °C.

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.