Bandpass Filter · 148–152 MHz

Check the bandwidth limit at −3 dB separately from the specified 148–152 MHz passband. The 5 mm maximum height applies without the outer casing.

RF Performance

Parameter	Value
Passband	148–152 MHz
Passband Insertion Loss [1]	≤ 6.0 dB
Passband Ripple [1]	≤ 1.0 dB
Bandwidth at −3 dB	≤ 10 MHz
Shape factor [2]	≤ 3.0
VSWR [1]	≤ 1.60

[1] 148–152 MHz
[2] BW−40 dB / BW−3 dB

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	1 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Surface mount
RF Impedance	50 Ω
Housing footprint	20 × 9 mm (Length and width tolerance ±0.2 mm each)
Maximum side-view envelope	≤ 5 mm (Excludes outer casing)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Supports reflow soldering at 220 °C. For cutout mounting in multilayer microwave PCBs designed for frequencies above 2000 MHz, ensure proper grounding.

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.