Lowpass Filter · DC–4750 MHz

Stopband Rejection · ≥35 dBc (5200–10000 MHz). Body Dimensions 40.4 × 12 × 10 mm.

RF Performance

Parameter	Value
Passband	DC–4750 MHz
Passband Insertion Loss [1]	≤2 dB
Stopband Rejection [2]	≥35 dBc
VSWR [1]	≤1.6:1

[1] DC–4750 MHz
[2] 5200–10000 MHz

Design Ratings Design rating

Parameter	Value
Power Handling	2 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Impedance	50 Ω
RF Interface	SMA-F (One connector at each end of the housing)
Surface Finish	Silver plated
Quality Grade	Industrial
Body 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. 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.