Lowpass Filter · DC–300 MHz

Stopband Rejection ≥40 dB (500–750 MHz) / ≥60 dB (750–1000 MHz). Package Dimensions 30 × 12 × 10 mm.

RF Performance

Parameter	Value
Passband	DC–300 MHz
Passband Insertion Loss [1]	≤1.6 dB
Stopband Rejection [2]	≥40 dB
Stopband Rejection [3]	≥60 dB
VSWR [1]	≤1.5:1

[1] DC–300 MHz
[2] 500–750 MHz
[3] 750–1000 MHz

Design Ratings Design rating

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

Mechanical Specifications

Parameter	Value
RF Impedance	50 Ω
Package Dimensions	30 × 12 × 10 mm (Excluding connector protrusion)
RF Interface	SMA-MF (One connector at each end of the housing)
Surface Finish	Silver plated
Mounting holes	4 × M2 through threaded holes (Hole-center spacing 27 × 9 mm)
RF Axis from the Upper Housing Edge in Side View	5 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.