Highpass Filter · 115–450 MHz

Stopband Rejection ≥40 dB (DC–100 MHz) / ≥20 dB (100–108 MHz). RF Interface N-F · Package Dimensions 40 × 22 × 20 mm.

RF Performance

Parameter	Value
Passband	115–450 MHz
Passband Insertion Loss [1]	≤1.5 dB
Stopband Rejection [2]	≥40 dB
Stopband Rejection [3]	≥20 dB
VSWR [1]	≤1.50:1

[1] 115–450 MHz
[2] DC–100 MHz
[3] 100–108 MHz

Design Ratings

Parameter	Value
Power Handling	50 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
Package Dimensions [1]	40 × 22 × 20 mm
RF Impedance	50 Ω
RF Interface [2]	N-F
Surface Finish	Silver Plated
Mounting holes [3]	4 × M2.2 through threaded holes
Connector Axis Across Body Thickness [4]	10 mm
Housing corner radius	1 mm

[1] Excluding connector protrusion
[2] One connector at each end of the housing
[3] Hole-center spacing 32 × 18 mm
[4] Centered across the 20 mm body thickness

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.