High-Pass Filter · 1200–13500 MHz

For low-frequency suppression, the rejection is at least 45 dB from DC to 950 MHz. The passband VSWR limit of 1.8 applies over 1200–13500 MHz.

The filter uses a 50 Ω SMA-F interface. The 10 W power handling and −10...+50 °C operating range are guaranteed by design.

RF Performance

Parameter	Value
Passband	1200–13500 MHz
Passband Insertion Loss	≤ 2 dB
Out-of-band rejection	≥ 45 dB (DC–950 MHz)
VSWR	≤ 1.8

Power and Temperature Ratings

Parameter	Value
Power Handling	10 W (Guaranteed by design)
Operating Temperature	−10...+50 °C (Guaranteed by design)

Typical Instrument Markers

Parameter	S11 VSWR	S12 Log Magnitude (dB)	S22 VSWR
1.200000 GHz	1.1494	-1.0396	1.1493
13.500000 GHz	1.3290	-0.01400	1.2760
950.000000 MHz	43.230	-53.712	51.840

Mechanical and Interface Specifications

Parameter	Value
RF Impedance	50 Ω
RF Interface	SMA-F
Body dimensions	60 × 25 × 12 mm (Excluding connectors)
Mounting hole center spans	55 × 20 mm
Mounting hole pattern	4 through holes, Ø2.8 mm
Surface finish	Black baked finish
RF connector axis height above housing base	6 mm
Connector Axis Distance from Body Side	12.5 mm

Assembly and Integration

Do not immerse the filter in cleaning solution. 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.