Highpass Filter · 2–400 MHz

Stopband Rejection ≥30 dB (DC–1.3 MHz). Body Footprint 30 × 12 × 10 mm.

RF Performance

Parameter	Value
Passband	2–400 MHz
Passband Insertion Loss [1]	≤1.5 dB
Passband Insertion Loss [1]	1 dB (Typical)
Stopband Rejection [2]	≥30 dB
Stopband Rejection [2]	37 dB (Typical)
VSWR [1]	1.3:1 (Typical)

[1] 2–400 MHz
[2] DC–1.3 MHz

Design Ratings Design rating

Parameter	Value
Operating Temperature	–40...+85 °C
Storage Temperature	–55...+100 °C
Power Handling	0.5 W

Typical measured response

Frequency	S11 VSWR	S22 VSWR	S12 loss (dB)	S12 delay (ns)
1.3 MHz	37	53	-35.5	2878
2 MHz	1.13	1.16	-0.9	442.55
59 MHz	1.04	1.04	-0.16	0.45
116 MHz	1.01	1.01	-0.2	0.28
173 MHz	1.01	1.01	-0.21	0.27
230 MHz	1.02	1.02	-0.23	0.26
287 MHz	1.03	1.03	-0.25	0.25
344 MHz	1.04	1.04	-0.28	0.25
401 MHz	1.03	1.03	-0.29	0.25
458 MHz	1.03	1.04	-0.31	0.25
515 MHz	1.03	1.04	-0.33	0.26

Typical measured response

Frequency	S11 VSWR	S22 VSWR	S12 loss (dB)	S12 delay (ns)
572 MHz	1.03	1.04	-0.35	0.24
629 MHz	1.03	1.04	-0.39	0.26
686 MHz	1.04	1.05	-0.45	0.25
743 MHz	1.06	1.05	-0.5	0.24
800 MHz	1.07	1.06	-0.59	0.93

Mechanical Specifications

Parameter	Value
RF Impedance	50 Ω
Body Footprint	30 × 12 × 10 mm (Excluding connector protrusion)
RF Interface	SMA-K (One connector at each end of the housing)
Surface Finish	Silver plated
Connector Material	Stainless steel
Mounting holes	4 × M2 mounting threads (Hole-center spacing 27 × 9 mm)
Quality Grade	Industrial

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.

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.