Band-stop Filter · 935–960 MHz

The lower passband extends from DC to 905 MHz and the upper passband from 990 to 3500 MHz. Insertion loss is limited to 2 dB and VSWR to 1.8 in both passbands.

The 201 × 30 × 18 mm body mounts through four M2.5 threaded holes with 6 mm thread depth. Power handling of 50 W and an operating range of –10…+50 °C are guaranteed by design.

RF Performance

Parameter	Value
Stopband	935–960 MHz
Stopband Rejection	≥50 dB (935–960 MHz)
Lower Passband	DC–905 MHz
Upper Passband	990–3500 MHz
Passband Insertion Loss	≤2 dB (DC–905 MHz; 990–3500 MHz)
Passband VSWR	≤1.8 (DC–905 MHz; 990–3500 MHz)

Design Ratings

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

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
850 MHz	-0.26	1.48
905 MHz	-1.71	1.22
915 MHz	-3.75	2.66
925 MHz	-12.98	14.71
935 MHz	-74.42	31.03
939 MHz	-58.61	46.52
945 MHz	-59.01	33.45
951 MHz	-77.59	38.32
955 MHz	-62.79	34.26
959 MHz	-56.61	44.06
960 MHz	-77.63	46
970 MHz	-13.68	15.18

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
980 MHz	-3.76	2.36
990 MHz	-1.62	1.27
1050 MHz	-0.31	1.43

Mechanical and Interface Specifications

Parameter	Value
RF Connector	N-K
RF Impedance	50 Ω
Connector Shell Material	304 stainless steel
Surface Finish	Gray baked paint
Body Length	201 mm
Body Width	30 mm
Body Height	18 mm
Connector Axis Distance from Body Side	15 mm
Connector Axis Height Above Body Bottom	9 mm
Longitudinal Mounting Pitch	195 mm
Transverse Mounting Pitch	24 mm
Threaded Mounting Hole Count	4
Mounting Thread Size	M2.5
Thread Depth	6 mm

Handling and Installation

Clean the product surface without immersing the product in cleaning fluid. For conditions in which the overall product temperature exceeds 125 °C, consult LCRF before ordering.

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.