Band-stop Filter · 5250–5350 MHz

Insertion loss is limited to 3 dB in DC–5230 MHz and 5370–7000 MHz. Its 260 × 70 mm body has 3 mm thick flanges and 304 stainless-steel connector shells.

RF Performance

Parameter	Value
Stopband	5250–5350 MHz
Stopband Rejection	≥50 dB (5250–5350 MHz)
Lower Passband	DC–5230 MHz
Upper Passband	5370–7000 MHz
Passband Insertion Loss	≤3 dB (DC–5230 MHz; 5370–7000 MHz)
Passband VSWR	≤1.8 (DC–5230 MHz; 5370–7000 MHz)

Design Ratings

Parameter	Value
Power Handling	50 W (Guaranteed by design)

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
5100 MHz	-0.53	1.53
5230 MHz	-2.31	1.26
5235 MHz	-10.39	4.35
5240 MHz	-26.38	7.62
5245 MHz	-50.34	14.35
5250 MHz	-74.46	33.15
5280 MHz	-67.54	35.34
5300 MHz	-65.36	28.31
5320 MHz	-56.74	26.41
5350 MHz	-76.80	33.14
5355 MHz	-48.88	16.25
5360 MHz	-22.46	8.34
5365 MHz	-6.68	4.31
5370 MHz	-2.38	1.31

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
5500 MHz	-0.78	1.44

Mechanical and Interface Specifications

Parameter	Value
RF Connector	SMA-K
RF Impedance	50 Ω
Connector Shell Material	304 stainless steel
Surface Finish	Black baked paint
Body Length	260 mm
Body Width	70 mm
Overall Length Excluding Connectors	280 mm
Longitudinal Mounting Pitch	270 mm
Transverse Mounting Pitch	62 mm
RF Port Pitch	32 mm
Flange Thickness	3 mm
Connector Axis Distance Below Body Top	10.5 mm
Overall Height	<45 mm
Through-hole Count	4
Through-hole Diameter	4.5 mm

Handling and Installation

Both RF connectors are on the same end of the housing. 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.