Band-stop Filter · 3400–3600 MHz

Insertion loss is at most 3.5 dB in both passbands, DC–3380 MHz and 3620–7000 MHz. Both connectors are on the same end of the housing.

RF Performance

Parameter	Value
Stopband	3400–3600 MHz
Stopband Rejection	≥70 dB (3400–3600 MHz)
Lower Passband	DC–3380 MHz
Upper Passband	3620–7000 MHz
Passband Insertion Loss	≤3.5 dB (DC–3380 MHz / 3620–7000 MHz)
Passband VSWR	≤1.8 (DC–3380 MHz / 3620–7000 MHz)

Design Ratings

Parameter	Value
Power Handling	150 W (Guaranteed by design)
Third-order Intermodulation	–140 dBc (2 × 43 dBm; Guaranteed by design)

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
3350 MHz	-0.65	1.49
3380 MHz	-2.54	1.44
3385 MHz	-7.56	8.86
3390 MHz	-24.58	16.41
3395 MHz	-56.72	28.75
3400 MHz	-96.56	36.94
3450 MHz	-80.47	40.13
3500 MHz	-83.11	37.36
3550 MHz	-81.46	48.48
3600 MHz	-91.35	37.98
3605 MHz	-57.37	22.37
3610 MHz	-26.78	15.44
3615 MHz	-8.13	9.96

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
3620 MHz	-2.89	1.37
3650 MHz	-0.85	1.43

Mechanical and Interface Specifications

Parameter	Value
RF Connector	N-K
Connector Shell Material	304 stainless steel
RF Impedance	50 Ω
Surface Finish	Black baked paint
Body Length	300 mm
Body Width	70 mm
Length Between Outer Flange Edges	320 mm
Longitudinal Mounting Pitch	310 mm
Transverse Mounting Pitch	62 mm
Through-hole Diameter	4.5 mm
Through-hole Count	4
Connector Center Spacing	32 mm
Flange Thickness	3 mm
RF axis offset from the top edge in side view	10.5 mm
Overall Height	<45 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.