Band-stop Filter · 3600–3900 MHz

Insertion loss is at most 3.5 dB in both passbands, DC–3570 MHz and 3930–7000 MHz. Both connectors are on the same end of the housing.

RF Performance

Parameter	Value
Stopband	3600–3900 MHz
Stopband Rejection	≥70 dB (3600–3900 MHz)
Lower Passband	DC–3570 MHz
Upper Passband	3930–7000 MHz
Passband Insertion Loss	≤3.5 dB (DC–3570 MHz / 3930–7000 MHz)
Passband VSWR	≤1.8 (DC–3570 MHz / 3930–7000 MHz)

Design Ratings

Parameter	Value
Power Handling	150 W (Guaranteed by design)

Typical series reference data

Typical reference data shared by the N-K and SMA-K connector configurations.

Parameter	S12 (dB)	S11 VSWR
3500 MHz	-0.42	1.53
3550 MHz	-0.58	1.4
3570 MHz	-2.96	1.36
3580 MHz	-8.46	11.33
3590 MHz	-41.35	25.41
3600 MHz	-88.96	32.03
3650 MHz	-79.50	44.06
3750 MHz	-90.22	35.62
3850 MHz	-92.83	35.86
3900 MHz	-89.78	38.25
3910 MHz	-42.44	31.77
3920 MHz	-8.85	10.54
3930 MHz	-3.14	1.48
3950 MHz	-0.63	1.39

Typical series reference data

Typical reference data shared by the N-K and SMA-K connector configurations.

Parameter	S12 (dB)	S11 VSWR
4000 MHz	-0.48	1.31

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.