Band-stop Filter · 3410–3700 MHz

Insertion loss is at most 3.5 dB in both passbands, DC–3380 MHz and 3730–7000 MHz. Both connectors are on the same end of the housing.

RF Performance

Parameter	Value
Stopband	3410–3700 MHz
Stopband Rejection	≥70 dB (3410–3700 MHz)
Lower Passband	DC–3380 MHz
Upper Passband	3730–7000 MHz
Passband Insertion Loss	≤3.5 dB (DC–3380 MHz / 3730–7000 MHz)
Passband VSWR	≤1.8 (DC–3380 MHz / 3730–7000 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
3300 MHz	-0.52	1.41
3350 MHz	-0.56	1.46
3380 MHz	-2.77	1.48
3390 MHz	-24.62	13.17
3400 MHz	-55.38	27.29
3410 MHz	-94.01	43.77
3450 MHz	-99.39	34.44
3500 MHz	-81.56	31.9
3600 MHz	-88.93	43.11
3700 MHz	-91.59	39.37
3710 MHz	-53.18	28.41
3720 MHz	-15.45	16.35
3730 MHz	-2.89	1.46
3740 MHz	-0.87	1.51

Typical series reference data

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

Parameter	S12 (dB)	S11 VSWR
3750 MHz	-0.71	1.58

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.