Band-stop Filter · 3410–3610 MHz

Insertion loss is at most 3 dB in both passbands, DC–3390 MHz and 3630–7000 MHz. Both connectors are on the same end of the housing.

RF Performance

Parameter	Value
Stopband	3410–3610 MHz
Stopband Rejection	≥60 dB (3410–3610 MHz)
Lower Passband	DC–3390 MHz
Upper Passband	3630–7000 MHz
Passband Insertion Loss	≤3 dB (DC–3390 MHz / 3630–7000 MHz)
Passband VSWR	≤1.8 (DC–3390 MHz / 3630–7000 MHz)

Design Ratings

Parameter	Value
Power Handling	50 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
3350 MHz	-0.33	1.47
3390 MHz	-2.48	1.36
3395 MHz	-6.58	6.85
3400 MHz	-20.65	13.37
3405 MHz	-42.77	22.48
3410 MHz	-72.85	32.09
3450 MHz	-66.87	31.08
3500 MHz	-75.49	37.37
3550 MHz	-85.13	35.65
3610 MHz	-79.76	45.7
3615 MHz	-53.27	26.72
3620 MHz	-32.33	15.47
3625 MHz	-7.96	9.36
3630 MHz	-2.57	1.44

Typical series reference data

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

Parameter	S12 (dB)	S11 VSWR
3650 MHz	-0.61	1.52

Mechanical and Interface Specifications

Parameter	Value
RF Connector	SMA-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.