Band-stop Filter · 1880–1920 MHz

Insertion loss is at most 3 dB in both passbands, DC–1870 MHz and 1930–4000 MHz. Both connectors are on the same end of the housing.

RF Performance

Parameter	Value
Stopband	1880–1920 MHz
Stopband Rejection	≥70 dB (1880–1920 MHz)
Lower Passband	DC–1870 MHz
Upper Passband	1930–4000 MHz
Passband Insertion Loss	≤3 dB (DC–1870 MHz / 1930–4000 MHz)
Passband VSWR	≤1.8 (DC–1870 MHz / 1930–4000 MHz)

Design Ratings

Parameter	Value
Power Handling	150 W (Guaranteed by design)

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
1800 MHz	-0.26	1.14
1850 MHz	-0.4	1.17
1870 MHz	-2.11	1.28
1875 MHz	-15.48	18.74
1880 MHz	-77.50	30.4
1885 MHz	-86.13	33.73
1890 MHz	-93.99	30.82
1900 MHz	-87.46	36.45
1910 MHz	-91.78	43.5
1915 MHz	-77.60	38.7
1920 MHz	-87.31	47.64
1925 MHz	-18.76	21.73
1930 MHz	-2.11	1.31
1950 MHz	-0.43	1.34

Typical Measurements

Parameter	S12 (dB)	S11 VSWR
2000 MHz	-0.35	1.3

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	72 mm
Housing height from flange underside	<55 mm
Length Between Outer Flange Edges	320 mm
Number of mounting slots	4
Mounting slot width	4.5 mm
Arc-centre spacing within one slot	10 mm
Slot-centre pitch, lengthwise	310 mm
Slot-centre pitch, crosswise	50 mm
Connector Center Spacing	34 mm
RF axis offset from the top edge in side view	10 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.