Band-stop Filter · 869–880 MHz

DC–839 MHz and 910–3500 MHz have a 2 dB maximum insertion loss. The 201 × 30 × 18 mm body mounts on a 195 × 24 mm pattern using M2.5 threads.

RF Performance

Parameter	Value
Stopband	869–880 MHz
Stopband Rejection	≥50 dB (869–880 MHz)
Lower Passband	DC–839 MHz
Upper Passband	910–3500 MHz
Passband Insertion Loss	≤2 dB (DC–839 MHz; 910–3500 MHz)
Passband VSWR	≤1.8 (DC–839 MHz; 910–3500 MHz)

Design Ratings

Parameter	Value
Power Handling	50 W (Guaranteed by design)
Operating Temperature	–10...+50 °C (Guaranteed by design)

Typical series reference data

Several connector configurations share these typical data. Separate measurements for each configuration are unconfirmed.

Parameter	S12 (dB)	S11 VSWR
800 MHz	-0.31	1.09
839 MHz	-1.72	1.29
849 MHz	-2.78	1.76
859 MHz	-10.66	12.35
869 MHz	-77.68	35.49
870 MHz	-57.61	48.14
872 MHz	-63.69	33.11
874 MHz	-57.36	45.85
876 MHz	-56.70	36.4
878 MHz	-61.13	44.55
880 MHz	-72.57	35.1
890 MHz	-10.44	13.46
900 MHz	-3.03	1.92

Typical series reference data

Several connector configurations share these typical data. Separate measurements for each configuration are unconfirmed.

Parameter	S12 (dB)	S11 VSWR
910 MHz	-1.76	1.31
950 MHz	-0.39	1.48

Mechanical and Interface Specifications

Parameter	Value
RF Connector	SMA-K
RF Impedance	50 Ω
Connector Shell Material	304 stainless steel
Surface Finish	Gray baked paint
Body Length	201 mm
Body Width	30 mm
Body Height	18 mm
Longitudinal Mounting Pitch	195 mm
Transverse Mounting Pitch	24 mm
RF axis offset from the lower edge in side view	9 mm
Connector Axis Distance from Body Side	15 mm
Threaded Mounting Hole Count	4
Mounting Thread Size	M2.5
Thread Depth	6 mm

Handling and Installation

The two RF connectors are on opposite ends 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.