Band-stop Filter · 859–894 MHz

The DC–829 MHz and 924–3500 MHz passbands have insertion loss no greater than 2 dB. The black baked-paint body measures 201 × 30 × 18 mm, with 195 × 24 mm mounting pitch.

RF Performance

Parameter	Value
Stopband	859–894 MHz
Stopband Rejection	≥50 dB (859–894 MHz)
Lower Passband	DC–829 MHz
Upper Passband	924–3500 MHz
Passband Insertion Loss	≤2 dB (DC–829 MHz; 924–3500 MHz)
Passband VSWR	≤1.8 (DC–829 MHz; 924–3500 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	1.41
829 MHz	-1.61	1.5
839 MHz	-3.25	1.34
849 MHz	-10.77	4.25
859 MHz	-74.40	15.18
865 MHz	-70.78	47.22
869 MHz	-65.06	39.42
875 MHz	-56.17	31.47
885 MHz	-76.03	46.9
889 MHz	-79.84	49.78
894 MHz	-75.68	31.52
904 MHz	-11.09	14.39
914 MHz	-3.34	3.96

Typical series reference data

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

Parameter	S12 (dB)	S11 VSWR
924 MHz	-1.83	1.31
950 MHz	-0.42	1.53

Mechanical and Interface Specifications

Parameter	Value
RF Connector	SMA-K
RF Impedance	50 Ω
Connector Shell Material	304 stainless steel
Surface Finish	Black 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.