Band-stop Filter · 834–836 MHz

The DC–804 MHz and 866–3000 MHz passbands have insertion loss ≤2 dB. The design-guaranteed operating-temperature range is –10…+50 °C.

RF Performance

Parameter	Value
Stopband	834–836 MHz
Stopband Rejection	≥50 dB (834–836 MHz)
Lower Passband	DC–804 MHz
Upper Passband	866–3000 MHz
Passband Insertion Loss	≤2 dB (DC–804 MHz; 866–3000 MHz)
Passband VSWR	≤1.8 (DC–804 MHz; 866–3000 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
775 MHz	-0.24	1.5
804 MHz	-0.4	1.27
814 MHz	-1.11	1.44
824 MHz	-9.35	8.86
834 MHz	-54.61	27.51
835 MHz	-62.65	29.41
836 MHz	-55.34	22.67
846 MHz	-10.36	7.74
856 MHz	-1.03	1.34
866 MHz	-0.43	1.23
900 MHz	-0.29	1.44

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.