Band-stop Filter · 788–798 MHz

Passbands are DC–758 MHz and 828–3300 MHz, with a 2 dB maximum insertion loss. The design guarantees 50 W power handling and operation from −10…+50 °C. The body measures 201 × 30 × 18 mm.

RF Performance

Parameter	Value
Stopband	788–798 MHz
Stopband Rejection	≥50 dB (788–798 MHz)
Lower Passband	DC–758 MHz
Upper Passband	828–3300 MHz
Passband Insertion Loss	≤2 dB (DC–758 MHz; 828–3300 MHz)
Passband VSWR	≤1.8 (DC–758 MHz; 828–3300 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
725 MHz	-0.24	1.54
758 MHz	-1.76	1.31
768 MHz	-3.24	3.66
778 MHz	-10.85	11.79
788 MHz	-76.96	46.06
790 MHz	-56.78	47.09
792 MHz	-61.92	39.04
793 MHz	-80.05	44.37
794 MHz	-56.09	46.17
796 MHz	-67.56	48.27
798 MHz	-70.68	35.64
808 MHz	-10.66	13.57
818 MHz	-3.18	3.97

Typical series reference data

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

Parameter	S12 (dB)	S11 VSWR
828 MHz	-1.69	1.26
850 MHz	-0.33	1.16

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	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
Mounting Hole Count	4
Mounting Threads	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.