Band-stop Filter · 738–758 MHz

A maximum insertion loss of 2 dB applies to DC–708 MHz and 788–3000 MHz. Power capacity is 50 W by design guarantee; the 201 × 30 mm body has four M2.5 mounting threads.

RF Performance

Parameter	Value
Stopband	738–758 MHz
Stopband Rejection	≥50 dB (738–758 MHz)
Lower Passband	DC–708 MHz
Upper Passband	788–3000 MHz
Passband Insertion Loss	≤2 dB (DC–708 MHz; 788–3000 MHz)
Passband VSWR	≤1.8 (DC–708 MHz; 788–3000 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
675 MHz	-0.27	1.15
708 MHz	-1.78	1.29
718 MHz	-3.03	2.76
728 MHz	-11.98	12.53
738 MHz	-74.52	44.05
740 MHz	-59.65	40.78
745 MHz	-72.86	40.33
748 MHz	-80.53	49.73
750 MHz	-59.46	44.23
755 MHz	-59.51	47.01
758 MHz	-75.76	47.18
768 MHz	-12.52	11.79
778 MHz	-3.37	3.35

Typical series reference data

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

Parameter	S12 (dB)	S11 VSWR
788 MHz	-1.86	1.35
825 MHz	-0.34	1.05

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
Thread Depth	6 mm
RF axis offset from the lower edge in side view	9 mm
Connector Axis Distance from Body Side	15 mm
Mounting Threads	4 × M2.5

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.