Lowpass Filter · DC–1.9 MHz

RF Interface SMA-K · 50 Ω · Package Dimensions 30 × 12 × 10 mm

RF Performance

Parameter	Value
Passband	DC–1.9 MHz
Passband Insertion Loss [1]	0.4 dB (Typical)
Passband Insertion Loss [1]	≤1 dB
Stopband Rejection [2]	≥20 dB
Stopband Rejection [3]	≥40 dB
VSWR [1]	≤1.3:1

[1] DC–1.9 MHz
[2] 3.4 MHz
[3] 4.7–1000 MHz

Design Ratings

Parameter	Value
Operating Temperature	–40...+85 °C (Guaranteed by design)

Typical series reference data

These typical data are shared by more than one model in the series. Separate measurements for each model are unconfirmed.

Frequency (MHz)	S11 VSWR	S22 VSWR	S12 loss (dB)
0.3	1.07	1.07	0.03
0.74	1.08	1.12	-0.12
1.24	1.04	1.11	-0.13
1.67	1.23	1.24	-0.19
2.17	1.08	1.1	-0.23
2.61	1.27	1.21	-0.47
2.79	3.06	2.89	-1.99
3.11	24.45	21.06	-10.4
3.55	120.25	96.54	-22.72
4.05	210.52	214.33	-33.74
4.49	278.2	270.65	-41.69
4.99	242.25	734.91	-49.55

Typical series reference data

These typical data are shared by more than one model in the series. Separate measurements for each model are unconfirmed.

Frequency (MHz)	S11 VSWR	S22 VSWR	S12 loss (dB)
5.42	311.15	1050.12	-55.2
5.92	201.99	947.42	-61.01

Mechanical Specifications

Parameter	Value
Power Handling	2 W
Package Dimensions	30 × 12 × 10 mm (Excluding connector protrusion)
RF Impedance	50 Ω
RF Interface	SMA-K (One connector at each end of the housing)
Mounting holes	4 × M2 mounting threads (Hole-center spacing 27 × 9 mm)
Quality Grade	Industrial
Surface Finish	White
Connector Material	Stainless steel
Housing Material	H62

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Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Consult before ordering if the temperature of the complete unit will exceed 125 °C.

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.