

K Series

Box Style Bandreject Filter



PC mountable or connector. Competitive form fit with broad range and complexity.

Overview

	Standard Parameters	Special Parameters	Comments
Frequency Range	70 to 1500 MHz	10 to 3500 MHz	
Percentage Bandwidth	1 to 10%	0.5 to 50%	Assumed to be the 3 dB bandwidth
Maximum VSWR	1.5:1	1.2:1	
Average Input Power	1 Watt	Up to 5 Watts	Measured up to 10,000 feet
Maximum Attenuation	Up to 50 dBc	Up to 65 dBc	
Topology	Chebyshev	*Consult Factory	
Nominal Impedance	50 Ohms	**Consult Factory	
Number of Sections	5	10	
Shock	5 G's	Up to 500 G's	See Below
Vibration	5 G's	Up to 500 G's	See Below
Humidity	90%, non-condensing	Up to 100%, non-condensing	See Below
Altitude	Unlimited	Unlimited	See Below
Operating Temperature	0 to +50 °Celsius	-55 to +125 °Celsius	See Below
Storage Temperature	-55 to +85 °Celsius	-65 to +150 °Celsius	See Below
Gross Leak	As required	As required	Additional testing charges will apply
Fine Leak	As required	As required	Additional testing charges will apply
Moisure Resistance	100%	100%	
Dimensions	See chart below	See chart below	
Mounting Options	PC Mount	Connectorized; Axial Mount	Gross and Fine Leak do not apply to connectorized parts.
Connector	SMA Female or Male		



Number of Sections ***	Dimensions
2 to 3	0.75" x 0.38" x 0.38"
4 to 5	1.00" x 0.38" x 0.38"
6 to 7	1.50" x 0.38" x 0.38"
8 to 10	2.00" x 0.38" x 0.38"

Other parameters may be specified. Please consult factory for any deviation from standard.

*Other topologies are available upon request or design need. These can include, but are not limited to: Gaussian, Butterworth, Bessel, Elliptical, and Pole-placed designs.

**Other impedances can be achieved, but the package is designed as a 50 Ohm unit. Matching to any other impedance will need prior approval and may not be guaranteed.

***Dependant upon frequency range and design requirements. Exact size to be quoted by factory.

Any environmental testing will incur additional charges. Consult factory for costs associated with environmental testing. All filters can be "Designed to" and may not require the additional testing. Each application will be different.

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