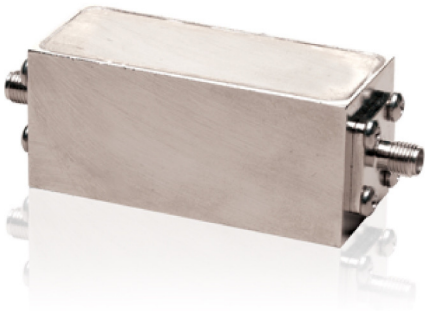


M Series

Low Frequency Bandpass Filter

PC mountable or connector with lower loss, more complexity, and higher power.

Overview

	Standard Parameters	Special Parameters	Comments
Frequency Range	10 to 100 MHz	2 to 500 MHz	
Percentage Bandwidth	1 to 100%	0.5 to 200%	
Maximum VSWR	1.5:1	1.2:1	
Average Input Power	1 Watt	Up to 10 Watts	Measured up to 10,000 feet
Phase Linearity	± 5°	± 2°	
Phase Matching	± 2°	± 1°	
Maximum Attenuation	Up to 50 dBc	Up to 65 dBc	
Topology	Chebychev	*Consult Factory	
Nominal Impedance	50 Ohms	**Consult Factory	
Number of Sections	6	12	
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
Alititude	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	2.38" x 1.00" x 1.00"		
Mounting Options	PC Mount or Categorized		Gross and Fine Leak do not apply to connectorized parts.
	SMA Female or Male		

	Standard Parameters	Special Parameters	Comments
Connector Options		Type "N", BNC, TNC, SMC, or SMB Female or Male	

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

*Other topologies are available upon requrest or design need. Tese 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.

Any environmental testing will incure 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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