

L 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 | 60 to 1500 MHz | 5 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 Options | SMA Female or Male | | |
| Number of Sections *** | | Dimensions | |

| Number of Sections *** | Dimensions |
|------------------------|-----------------------|
| 2 to 3 | 0.75" x 0.50" x 0.40" |
| 4 to 5 | 1.00" x 0.50" x 0.40" |
| 6 to 7 | 1.50" x 0.50" x 0.40" |
| 8 to 10 | 2.00" x 0.50" x 0.40" |

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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