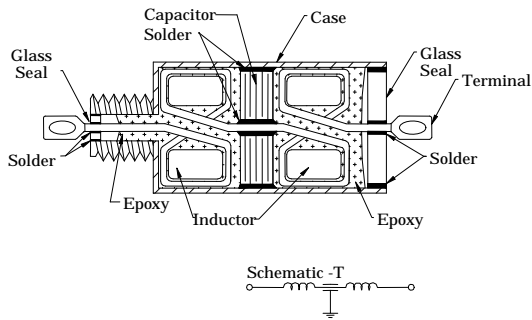


BROADBAND

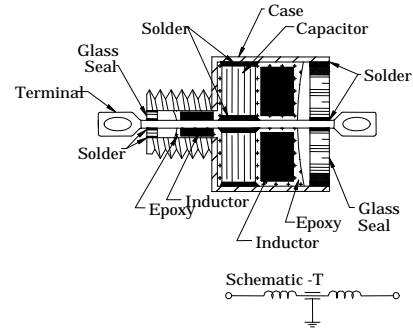
EMI FILTERS

"T" TYPE

Hermetic Low Current T-Broadband



Hermetic High Current T-Broadband



FEATURES:

- Designed to meet MIL-F-28861 requirements.
- Hermetically sealed components.
- Variety of capacitance and inductance values.
- Voltage ratings 50 VDC through 240 VAC.
- Excellent insertion loss performance.
- Operating temperature range -55°C to +125°C.

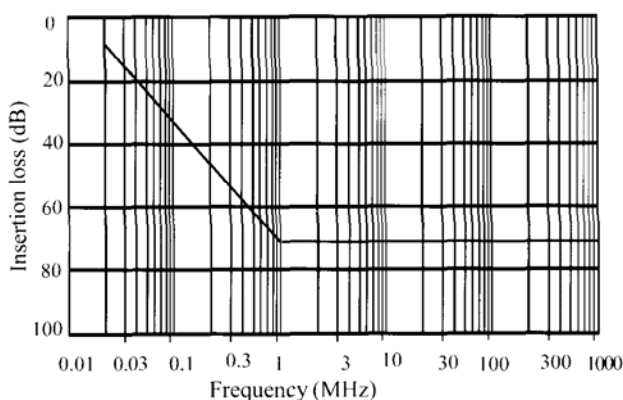
APPLICATIONS:

The "T" section filter is another three element device that consists of two inductors one at either end and a capacitive element between them. It will provide the user with 60 dB per decade roll-off beyond the cut-off frequency which is typically around 30 KHz. The insertion loss across the frequency range is similar to that of the PI filter with approximately half of the capacitance value of the PIs. It is applicable for use in relatively high speed pulse transmission lines where minimum filter capacitance is required in order to prevent wave shaping of digital signals.

Its relatively high input and output impedance makes it best suited for systems with low source and load impedances.

Typical of this application would be AC power lines which are also prone to destructive voltage transients and high current surges either from atmospheric sources or man-made equipment. The inductor at each end tends to protect the capacitor by slowing down transient rise time, limiting the capacitor charging current and lowering the peak voltage levels.

TYPICAL INSERTION LOSS 1.4 μ F, 1 AMP



TYPICAL INSERTION LOSS 1.4 μ F, 10 AMP

