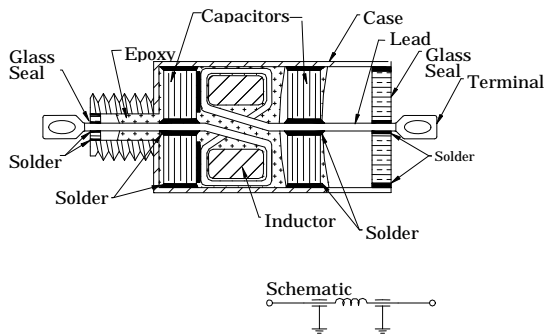


BROADBAND

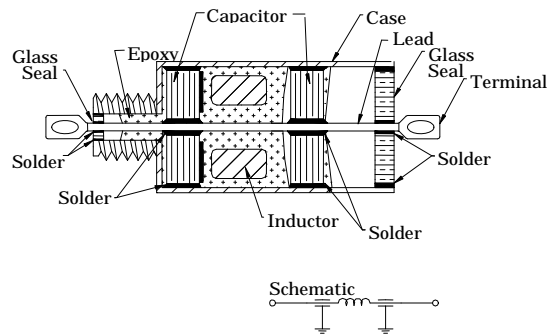
EMI FILTERS

"PI" TYPE

Hermetic Low Current Pi-Section
Broadband Filter



Hermetic High Current Pi-Section
Broadband Filter



FEATURES:

- Meets or exceeds requirements of MIL-F-15733 and MIL-F-28861
- Extreme resistance to adverse environments.
- Wide capacitance/inductance voltage ranges.
- Excellent input to output signal isolation.
- Shock and vibration immunity.
- Highly reliable multiplayer capacitor construction.

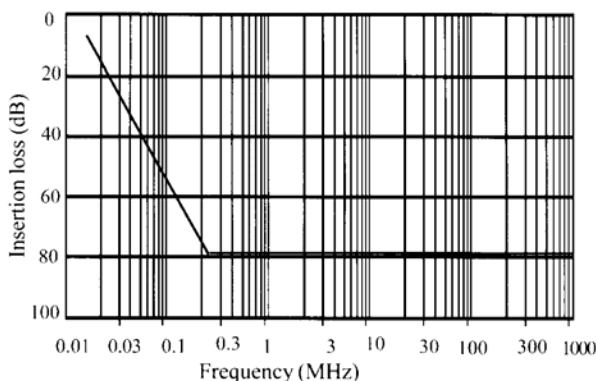
APPLICATIONS:

The "PI" filter is a three element device that contains two capacitors with an inductor between them. The inductor can be either a wound coil for current ratings up to 5 amp or a ferrite bead for applications requiring 10 amp or more.

Having a capacitor at both input and output, the PI filter presents a symmetrical circuit providing low impedance especially at higher frequencies to both system source and load.

It will produce optimal results in systems where source and load impedances are relatively high (typically above 50 Ω) and where no attenuation is allowed in the low pass band but the sharp roll-off of 60 dB / decade is desired beyond the cut-off frequency. Due to its multiple element construction a PI filter is also recommended for circuits where source and load impedances vary from low to high depending on circuit functions. However, caution should be used for applications employing switching circuits where actual increase in conducted interference could be caused due to possible LC network resonance.

TYPICAL INSERTION LOSS 1.4 μ F 0.5 AMP



TYPICAL INSERTION LOSS 1.4 μ F 5 AMP

