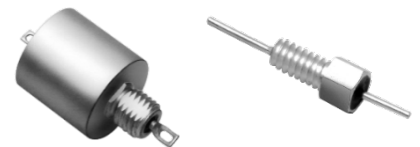


Space Grade Single Line EMI Filter

Space grade high reliability single line filter offering to support the ever advancing space innovations of today and the future. This EMI filter series will cover a market gap, as there is not a current source listed on the QPL for MIL-PRF-28861 S level product. Our hermetic and resin sealed panel mount products are produced in the USA and a natural extension of Spectrum Control’s current MIL-PRF-28861 Class B market leading offering.

Features

- Established B Plus requirements with additional screening beyond MIL-PRF-28881 class B for custom and catalog EMI filters
 - Additional thermal shock cycles
 - Additional voltage conditioning hours
 - Fine leak on hermetic filters
 - Destructive physical analyses
- Impervious to high moisture environments, solvents and severe environmental conditions (hermetic versions)
- Capacitance vs. temperature biased: TCVC "BR" +15/-40% at rated voltage from -55 to +125°C
- Proven experience in space programs, including deep space and scientific missions and satellite communications



Hermetic Sealed Resin Sealed

Applications

- Satellite systems
- Aircraft systems
- Defense systems
- Space ground transmitter receiver controllers
- Space applications
- Launch vehicles
- Ground communication & networks

Certifications

- AS9100
- MIL-STD-790

B Plus Selection Matrix

- Available in the following sizes, voltages, and maximum capacitance
- Maintain existing end product mechanical size and insertion loss performance

Voltage		Hermetic Seal		Resin Seal	Size
DC	AC (400Hz)	Ø410	Ø610	#4-40	
50	-	0.50µF	1.0µF	0.033µF	C _{max}
100	-	0.33µF	1.0µF	0.033µF	
200	130	0.22µF	0.75µF	0.022µF	
400	240	-	0.33µF	-	