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## AVX Expands on M49470 SMPS Qualification

**AVX Corporation has expanded its qualification to the MIL PRF 49470 B level for Switch Mode Power Supply Capacitors with the recent addition of 500V rated SMPS capacitors in case codes 1, 2 and 6.**

AVX is a pioneer in the development of application specific capacitors and has been at the forefront of efforts to support and expand the M49470 MIL PRF. Targeted military applications for these devices include but are not limited to input/output filters of high power and high voltage power supplies as well as in bus filters, DC snubber applications for inverters and also high current power supplies.

Like AVX's other capacitors in the MIL QPL, these devices are characterized by low ESR, low ESL and high current carrying capability, making them ideal replacements for aluminum and tantalum electrolytic technology while maintaining a very high degree of reliability. This extension allows AVX to offer B level MIL PRF 49470 reliability among all case sizes and all voltage ranges currently offered by the MIL PRF 49470. AVX also has many T level qualifications and will be expanding on those shortly. These devices are available in 3 main lead configurations, the N (thru hole) and J or L (surface mount).

The leadframes allow the capacitor to absorb the stress and strain that would cause a standard chip to fail by providing strain relief via the leadframe. Many customers have moved away from aluminum electrolytics.



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