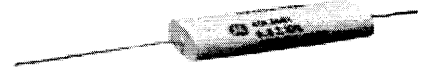


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[Specifications](#)**Buy**[Where To Buy](#)**Related**[Products/Accessories](#)[Accessories - Mounting](#)[Hardware](#)[Switching Capacitors - 41L](#)[Snubber and High Current](#)[DC Capacitors - 42L](#)**Capacitors****AC Wrap and Fill****Description**

The 40L series are high-performance dry, axial-leaded capacitors specifically designed for demanding electronic applications. They are commonly used in input and output filters and for DC blocking in high frequency switch power supplies. The low electrical losses of the polypropylene film dielectric combined enhanced current carrying ability of the special "graded" metallized electrodes results in outstanding performance.

**Features and Benefits**

- Long life
- Low ESR & ESL
- Self healing metallized polypropylene film
- Enhanced current carrying ability
- Tape-wrapped encasing style
- Dry construction.
- Axial lead termination excellent for use on PC Boards.

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Characteristics

Available Capacitance Range:	0.47 to 10.0 μ F
Capacitance Tolerance:	+/- 10%
Capacitance Variation with Temperature:	+/- 3% from -55° C to + 105° C
Rated Voltage:	See ratings Tables. The rating is the Maximum Peak DC Voltage.
Rated Current:	See Ratings Tables. The rating is the Maximum Allowable RMS current in amperes.
Equivalent Series Resistance (ESR):	See Ratings Table. The rating is the maximum value measured at 25° C in the range 20-100 KHz.
Operating Temperature:	-55° C to + 105° C
Storage Temperature:	-55° C to + 105° C
Dissipation Factor:	0.1% maximum @25° C .1KHz
Insulation Resistance:	200,000M Ω – μ F minimum at 100 Vdc after 1 minute energization at 25° C
Accelerated Life test:	Units are exposed to 105° C +/- 1° C while being held at 150% of rated DC voltage for 1000 hrs.
Package construction:	Fire retardant tape wrap over printing to meet MIL-STD-202. Filled with a polyurethane or equivalent potting compound.
Leads:	20 or 18 AWG electroplated solid copper wire leads (gauge tolerance : +/- 0.001 in).