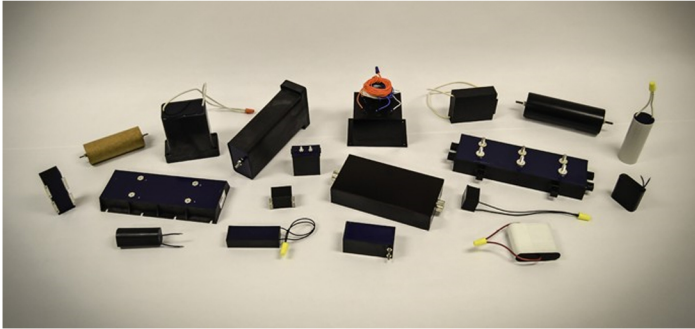


## T-Series Capacitors



NWL's T-Series capacitors are DC filter, DC pulse capacitors that offer a customized package approach with a variety of preferred termination options. By utilizing in-house standard dielectric film systems, both metalized polypropylene and polypropylene/foil, NWL can keep the solution economical. NWL can create the ideal mounting features directly on the packages that can position a capacitor into the areas where overall volume is a concern or

convenience is preferred. All capacitors need to be electrically connected and for NWL's T-Series, the termination is out of the capacitor to the customer's connection point. By utilizing insulated wires, custom bus work, and the end connection required for contacts, T-Series capacitors allow innovation into the design that makes routine assembly fast and effective.

T-Series capacitors are well suited for many power modules and power supply applications including:

- Magnetizing coils
- DC input / output filtering
- High energy storage pulse

Unique features of the T-Series capacitor include:

- **Custom package** – Select from assortment of unique packages or create and customize to exactly fit into desired volumes as well as added features on capacitor housing.
- **Terminal options** – With a wide variety of termination options: insulated wires with standard snap terminals, pc board pins, custom laminated bus, threaded terminals, threaded inserts, and any means of bringing the capacitor to required collective contacts.

## T-Series Capacitors Product Information and Specifications

T-Series capacitors utilize the latest technological advancements in polypropylene film dielectric systems: including segmentation, sloped metal, hard foil electrodes. Most systems are cast in UL 94V-0 thermosetting dry resin encapsulation.

### General Specifications

Reference Standard	IEC 1071-1
Capacitance Tolerance	+/- 10%, +/- 5%, +/-2%
Voltages	DC rating continuous steady state condition DC pk pulse duty, 0-100 % reversal DC surge 1 minute 1 time per day AC RMS sinewave @ 60-500 kHz Test T-T @ 1.5 VDC, 10 seconds Test T-C @ 2.0Vpk dc + 1000 V, 10 seconds
Current / Temp Ratings	ripple RMS current @ 55 °C ambient peak current @ 40 °C ambient
VA	VAC rms x Amps rms max value
Inductance	as low as 1.5 nH
Operating Temperature	-55 °C to +105 °C
Encapsulation	UL 94V-0 thermosetting resin