



# KEMET Organic Capacitor

## T540/T541 Polymer Commercial Off-the-Shelf (COTS) Series

The Capacitance Company  
**KEMET**  
CHARGED.<sup>®</sup>

### Why Buy From KEMET?

KEMET is your seamless, integrated, single source for capacitance solutions worldwide. With 95% of possible dielectric solutions, global availability, on-time delivery, plus full custom design services. One world. One source. One KEMET.

### Features & Benefits

- First-to-market polymer cathode technology (COTS) capacitors for military and aerospace applications
- High frequency capacitance retention
- Benign failure mode
- Volumetrically efficient
- Use at up to 90% of rated voltage (10% derating) for part types  $\leq 10V$
- Use at up to 80% of rated voltage (20% derating) for part types  $> 10V$
- Standard and low ESR levels
- Sn/Pb terminations available
- Surge current testing options
- Single anode (T540) and multiple anode (T541) design
- T541 Series multiple anode design delivers the lowest ESR values in the industry

### Programs Supported

Decoupling and filtering in military and aerospace applications that require very low ESR:

- Radar
- Sonar
- Power supplies
- Guidance systems

### Electrical/Physical Characteristics

Case Sizes	Dielectric	Operating Temperature Range	Rated Capacitance Range	Capacitance Tolerance	Rated Voltage Range	DF (120Hz)	ESR (100kHz)	Leakage Current
<b>T540</b>								
B/3528-21	Tantalum	-55°C to +125°C	22μF–680μF	M Tolerance (20%)	2.5V to 16V	≥10%	25mΩ – 80mΩ	≤ 0.1CV (μA) at rated voltage after 5 minutes
D/7343-31	Organic Polymer							
<b>T541</b>								
D/7343-31	Tantalum	-55°C to +125°C	150μF–1000μF	M Tolerance (20%)	2.5V to 16V	8%	10mΩ – 40mΩ	≤ 0.1CV (μA) at rated voltage after 5 minutes
X/7343-43	Organic Polymer							
Y/7343-40								

**T540**



**T541**



For more information, samples and engineering kits, please visit us at [www.kemet.com](http://www.kemet.com) or call 1.877.myKEMET.