



KEMET Organic Capacitor

T540/T541 Polymer Commercial

Off-the-Shelf (COTS) Series

The Capacitance Company
KEMET
 CHARGED.®

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
T540								
B/3528-21 D/7343-31	Tantalum Organic Polymer	-55°C to +125°C	22 μ F–680 μ F	M Tolerance (20%)	2.5V to 16V	$\geq 10\%$	25m Ω – 80m Ω	$\leq 0.1CV$ (μ A) at rated voltage after 5 minutes
T541								
D/7343-31 X/7343-43 Y/7343-40	Tantalum Organic Polymer	-55°C to +125°C	150 μ F–1000 μ F	M Tolerance (20%)	2.5V to 16V	8%	10m Ω – 40m Ω	$\leq 0.1CV$ (μ A) at rated voltage after 5 minutes

T540



T541



For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.