PRODUCTS

KEMET Organic Capacitor
T528 Low ESL/Facedown Terminal Polymer Tantalum

The Capacitance Company
KEMET CHARGED.®

Why Choose KEMET

KEMET applies world-class service and quality to deliver industry-leading, high performance capacitance solutions worldwide. With 95% of possible dielectric solutions, KEMET offers the world's most complete line of surface mount and through-hole capacitor technologies across tantalum, ceramic, film, aluminum and paper dielectrics. One world. One KEMET.

Features & Benefits

- Polymer cathode technology
- 100% accelerated steady state aging
- Low ESL < 0.7 nH @ 20 MHz
- 100% surge current tested
- High frequency capacitance retention
- Non-ignition failure mode
- Improved volumetric efficiency
- Self-healing mechanism
- Use up to 90% of rated voltage (10% derating)
- RoHS compliant and halogen free

Product Checklist

- What is the circuit switching frequency?
- What is the circuit operating voltage?
- Are there any environmental concerns?
- Are there any height restrictions?

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

Programs Supported

- High speed servers
- Microprocessor decoupling
- High ripple current applications

Electrical/Physical Characteristics

Case Sizes	Tolerances	Temperature Range	Voltage Options	Capacitance Values	Leakage Current
T528					
EIA standard case sizes	M Tolerance (20%)	-55°C to + 105°C	2.5 – 10 V	150 – 470 µF @ 120 Hz/25° C	≤ 0.1 CV (µA) at rated voltage after 5 minutes

Ordering Information

Capacitor Class	Series	Case Sizes	Capacitance Code (pF)	Capacitance Tolerance	Voltage	Failure Rate/ Design	Termination Finish	ESR Code	Packaging (C-Spec)
T	528	Z	337	M	2R5	A	T	E009	
T= Tantalum	528 = Low ESL Facedown Terminal Polymer	I = 3216-10 K = 3528-10 W = 7343-15 Z = 7343-17	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	2R5 = 2.5 V 003 = 3 V 004 = 4 V 006 = 6.3 V 010 = 10 V	A = N/A	T = 100% Matte Tin (Sn) Plated*	E = ESR Last three digits specify ESR in mOhms. (009 = 9 mOhms)	Blank = 7" Reel 7280 = 13" Reel