

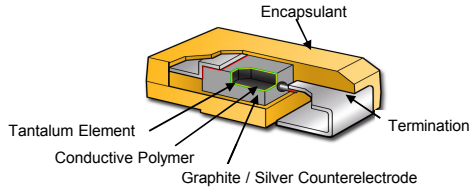
KEMET Surface Mount Conductive Polymer - KO CAP

Revision I, 06 July 2010

Note: Information subject to change without notice. Monitor website regularly for updates. KEMET is not liable for any damages, direct or indirect, consequential or otherwise, that the reader might incur as a result of ignoring this warning, or that any third party might suffer as a result of the reader's ignoring this warning.

Characteristics and Typical Construction

- KEMET organic with polymer cathode
- Termination code 'T' products support manufacture of RoHS-compliant EEE
- 2 - 25 Volts
- ± 20% Capacitance tolerance
- Tape & Reel Packaging
- SnPb Termination available for T520 and T530 Series



RoHS Restricted Substance Content

Key for Determining Adherence to China RoHS and EU 2002/95/EC and 2005/618/EC Content Criteria¹
 ○ ≤ MCV, X = > MCV, X = > MCV, but EU RoHS Compliant with Exemption(s)

KEMET Product	Series	Material and MCV ¹ Termination Code	Restricted Material					Compliant Version			
			Cd < 0.01%	Cr ⁶⁺ < 0.1%	Pb < 0.1%	Hg < 0.1%	PBB < 0.1%	PBDE < 0.1%	Available since	Standard since	China RoHS Symbol ²
KO Cap	T520	T	○	○	○	○	○	○	Mar-00	n/a - Termination unique for Pb-Free	⓪
High Voltage KO Cap	T521										
High Temperature KO Cap	T525										
Face Down Termination KO Cap	T528										
Multiple Anode KO Cap	T530										
KO Cap	T520	H	○	○	X	○	○	○			ⓧ
High Voltage KO Cap	T521										
High Temperature KO Cap	T525										
Multiple Anode KO Cap	T530										

¹ MCV = Maximum Concentration Values per 2005/618/EC amending RoHS Directive 2002/95/EC and China RoHS criteria.

² China RoHS Symbol based on current manufacturing. Refer to notes in Pb column for transition dates

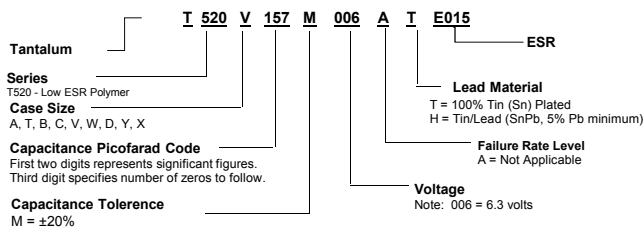
Soldering Capability Characteristics

	Matte Tin Termination	SnPb Termination
Termination Material	Copper	Copper
Termination Plating (Barrier)	100% Matte Tin (Copper or Nickel)	90Sn10Pb (Copper)
Peak Temperature Capability	T520, T521, T528, T530 = 260°C ³ T525 = 250°C	T520, T521, T528, T530 = 260°C ⁴ T525 = 250°C
Soldering Process Compatibility	Backward & Forward Compatible	Backward & Forward Compatible
MSL Rating	3	3
Tin Whisker Test Results <i>based on JESD22-A121 and JESD201⁶</i>	Class 2	Class 2

³ T520, T530 V-case product 260°C capable since print week code (PWC) 501. All other T520, T530 sizes 260°C capable since PWC 524. Capability of product produced prior to these dates is 250°C. PWC format is YWW (Y = 1 digit year, WW = 2 digit week, for example, 533 = 33rd week of 2005) and is printed on the component face. T528 series 260°C capable since release in April, 2006.

⁴ Per EIA/ECA component bulletin CB19, tin whiskering is not considered a reliability risk within the capacitor industry for non-Military / Hi-Rel applications.

Ordering



Identification

Reel level **KEMET EZ ID** label indicates product content relative to substance restrictions of the EU RoHS Directive, 2002/95/EC, 2005/618/EC and China RoHS..

RoHS-PRC = Meets criteria without exemption
RoHS-EU = Meets criteria with exemption
RoHS-NO = Does not meet criteria

