

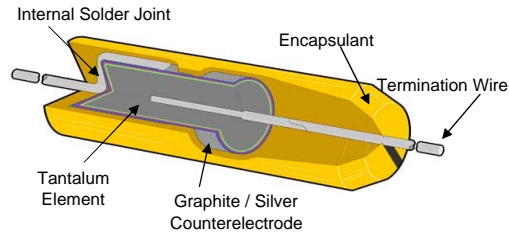
KEMET Through-Hole Tantalum

Revision C, 12 Mar 2007

Note: Information subject to change without notice. Monitor website regularly for updates.
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Characteristics and Typical Construction

- Variety of features and construction by series (drawing provided typical for encapsulated styles)
- Termination code "T" products support manufacture of RoHS-compliant EEE
- 2 - 125 Volts, depending on series
- ± 5, 10, and 20% Capacitance tolerances available
- Tape & Reel Packaging available
- SnPb termination is standard for all series



RoHS Restricted Substance Content

Key for Determining Adherence to China RoHS and EU 2002/95/EC and 2005/618/EC Content Criteria¹
 O = ≤ 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
Hermetic Sealed	T110, T140	T	O	O	O	O	O	O	Sep-05	n/a - Termination unique for Pb-Free	Ⓢ
Molded Axial	T322								Sep-05		
Molded Radial	T340x								Sep-05		
Dipped Radial - Commercial	T35x, T368, T39x	S	O	O	X	O	O	O	Jun-05		Ⓢ
Hermetic Sealed	T11x, T2xx										
Molded Axial	T322, T323										
Molded Radial	T330, T34x, T37x										
Dipped Radial - Commercial	T35x, T368, T39x										
Dipped Radial - Military / Hi-Rel	T363, T369										
Wet Tantalum	T19x, T29x										

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

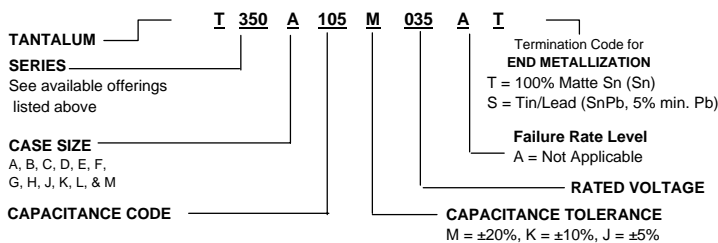
	100% Matte Tin Termination	SnPb Termination
Termination Material	Copper Clad Steel or Nickel	Copper Clad Steel or Nickel
Termination Plating	100% Matte Tin	60Sn40Pb
Peak Temperature Capability	260°C	260°C
Soldering Process Compatibility	Backward & Forward Compatible	Backward & Forward Compatible
MSL Rating	Not Classified ³	Not Classified ³
Tin Whisker Test Results <i>per JESD22-A121 and JESD201⁴</i>	available August 2007 ⁴	available August 2007 ⁴

³ MSL not classified for through-hole style capacitors. J-STD-020 is applicable to non-hermetic surface mount devices. If an MSL were required, this product family would be considered MSL 1 or better.

⁴ Tin whiskering is not considered a reliability risk within the capacitor industry for non-Military / Hi-Rel applications. For more information, refer to EIA/ECA component bulletin CB19.

Ordering

Note: Refer to the online KEMET product catalog for part numbering of MIL-PRF- and KEMET Military equivalents.



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

