KEMET Commercial Tantalum Surface Mount Part Identification

Date:	January 15, 2007 **ID Number (MMDDYY):** PCN-011507-MCB
Affected Products	**Commercial** KEMET Surface Mount Tantalum MnO_2 T49x and T510 Series and Conductive Polymer (KO CAP) T520 and T530 Series surface mount capacitors (SMC). Note that this excludes the Military series T492 and T493 for which the existing termination finish is not affected and part identification schemes remain unchanged.
Change	The standard termination finish on all **commercial** T49x (excludes Military series T492 and T493), T510, T520, and T530 surface mount products was changed from tin-lead to 100% matte tin in 2004. Since that time, KEMET has offered several part numbering options to allow customers to choose the option that best suited their needs. a. To receive 100% tin terminated, RoHS compliant product upon depletion of existing tin-lead inventory, continue ordering with the part number suffix 'S'. **Note** – use of this option never guaranteed lead-free supply. b. To guarantee 100% tin terminated, RoHS compliant product, order with the part number suffix (14th digit of the KEMET part number) 'T'. c. To guarantee shipment of tin-lead terminated product, order with the part number suffix 'H'. KEMET is removing the 'S' part number suffix as an ordering option. After the implementation dates provided below, all orders must designate either the 'T' suffix for 100% tin or the 'H' suffix for tin-lead. (Refer to the appropriate KEMET product catalog for other available termination finish options.)
Impact to Other SMC Products	**High Temp Organic Polymer (KO CAP T525 Series) and Aluminum (AO CAP A700 Series)** Only available with 100% matte tin termination coverage, the part numbering scheme for these products does not change. The 'T' designation in the 14th digit of the KEMET part number has always been and will continue to remain the standard designation for T525 and A700 products. **Multi-Layer Ceramic Chip (MLCC) Capacitors** The standard termination of KEMET MLCCs has been 100% matte tin, with both forward and backward established capability, for over a decade. No part numbering change is planned for any KEMET MLCC offerings.
Justification and Benefits	Continued use of the 'S' termination provided convenience during the transition to lead-free processing throughout the industry. Well beyond the July 2006 RoHS deadline, much of the transition has been completed. As many now manage in an environment where it is critical to maintain separate inventory and limit liability for inadvertent product mixing, having clear and unique part identifiers is a necessity. As China RoHS becomes a reality, the need for unique identification becomes even more critical. This change is in response to requests from our customer base to help them achieve this additional level of mistakeproofing within their systems. For more information on the KEMET approach to Product Environmental Stewardship, visit our green page at www.kemet.com/page/greenproduct.
Effective Date and Identification	Last time purchases of KEMET products affected by this notification will be accepted through July 15, 2007. KEMET commits to ship all orders entered by that date on or before January 15, 2008. No other identification changes are planned. KEMET reel labels will continue to specify the RoHS compliance status with no change in format.
Contact	Mary Carter Berrios Technical Product Manager KEMET Electronics Corp (www.kemet.com ph: 864.228.4006 e-Mail: marycarterberrios@kemet.com Susan Barkal Director, Product Line Management KEMET Electronics Corp (www.kemet.com) ph: 864-228-4140 e-mail: susanbarkal@kemet.com

P.O. Box 5928, Greenville, South Carolina 29606 U.S.A.
Tel: 864.963.6300 Fax: 864.963.6521