



January 10, 2006

Environmental Certificate (Tantalum MnO₂ Surface Mount)

KEMET Electronics Corporation ("KEMET") hereby certifies that the product(s) listed below (the "Products") are compliant with the restricted substance requirements of Directive 2002/95/EC of the European Parliament and of the Council of the European Union of January 27, 2003 ("RoHS"). KEMET further certifies that the Products, except where specifically exempted by RoHS, do not contain Lead in amounts in excess of the maximum concentration value of 1000 ppm and Cadmium in amounts in excess of the maximum concentration value of 100 ppm as defined by the EU commission decision of 18 August 2005 documented in 2005/618/EC. This certificate is applicable only to the Products which have been manufactured on or after the date listed below, ordered with appropriate termination code in the KEMET part number as noted in the table below and have been sold by KEMET or by an authorized KEMET distributor to the Customer. For more information on KEMET's eco compliance initiatives, refer to our Green Product Roadmap at www.kemet.com/page/greenproduct

Product(s):

Key for Determining Adherence to 2002/95/EC and 2005/618/EC Content Criteria ¹

= Meets criteria at the homogeneous level
 = Does not meet criteria at the homogeneous level

✓ = Pb-Free not Guaranteed, Consult Conversion Schedule [2](#)

KEMET Product	Series	Termination Code ⁴	Restricted Material and MCV ¹						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
Precision Molded Chip	T491	T or G	✓	✓	✓	✓	✓	✓	Mar-00	n/a - Termination unique for Pb-Free
Low ESR, Industrial Grade	T494									
Low ESR, Surge Robust	T495									
Fail Safe Fused	T496									
High Grade COTS	T497	S ³	✓	✓	✓	✓	✓	✓	Varies ²	Varies ²
High Temperature Tantalum	T498, T499									
Ultra-Low ESR	T510									
Commercial-Off-The-Shelf (COTS)	T493	T or B	✓	✓	✓	✓	✓	✓	Oct-05	n/a - Termination unique for Pb-Free

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

² Consult the Tantalum Lead-Free Conversion Schedule for clean date KEMET converted to Pb Free as standard manufacturing.

³ Use of this termination code is not recommended for new designs. Pb-free supply cannot be guaranteed with the 'S' termination code.

⁴ Termination code found in the 14th position of the KEMET part number.

Certified By:

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