



January 15, 2009

## Environmental Certificate (Surface Mount Ceramic)

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 dates 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](http://www.kemet.com/page/greenproduct).

Product(s): **Key for Determining Adherence to 2002/95/EC and 2005/618/EC Content Criteria <sup>1</sup>**

= Meets criteria at the homogeneous level     
  = Does not meet criteria at the homogeneous level  
 = Meets criteria, in some cases by reliance on 2002/95/EC Annex 1 exemptions 5, 7c <sup>2</sup>

KEMET Product	Series	Termination Code <sup>3</sup>	Compliance Dates (Size and Dielectric)	Restricted Substance and MCV <sup>1</sup>					
				Cd < 0.01%	Cr <sup>6+</sup> < 0.1%	Pb < 0.1%	Hg < 0.1%	PBB < 0.1%	PBDE < 0.1%
Ceramic Chip / Standard Ceramic Chip / High Voltage Tip & Ring	CxxxxC	C	0402 COG/X7R Jun - 04	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	CxxxxH		>0402 COG Jul - 03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			All Others Aug 93			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ceramic Open Mode Capacitors	CxxxxF	C	Released Compliant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ceramic Floating Electrode	CxxxxS			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ceramic Flex Termination	CxxxxX			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KEMET Commerical-Off-The-Shelf (KCOTS)	CxxxxT					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ceramic Chip Arrays	C1632C	C	COG >Jul - 03 X7R Released Compliant 1997	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

<sup>2</sup> All KEMET COG surface mount offerings already meet RoHS requirements. A limited group of large chips, high voltage and chip array components contain a small portion of lead (Pb) that is exempt per Annex 1 to 2002/95/EC. These components are in transition to a completely lead-free material set.

<sup>3</sup> Termination code is found in the 14<sup>th</sup> position of the KEMET part number.

Certified By:   
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