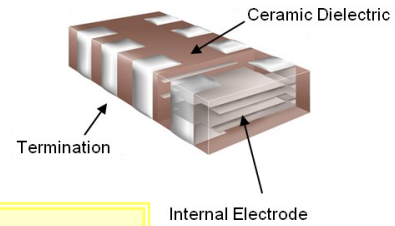


Revision F, 03 Jan 2013

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

- EIA 0508 (2-Capacitor) & EIA 0612 (4-Capacitor) Case Sizes
- C0G and X7R Dielectrics
- Product family supports manufacture of RoHS-compliant EEE
- 10 - 200 Volts
- Tape & Reel Packaging
- Matte Tin finish terminations standard



RoHS Restricted Substance Content

Key for Determining Adherence to China RoHS and EU 2011/65/EU Content Criteria¹

○ = ≤ MCV, ✕ = > MCV, ✕ = > MCV, but EU RoHS Compliant with Exemption(s) 2011/65/EU

KEMET Product, Series	Substance and MCV ¹	Restricted Substance						Compliant Version		
		Cd	Cr ⁶⁺	Pb	Hg	PBB	PBDE	Available since	Standard since	China RoHS Symbol ²
MLCC Array, CA064C (AKA: C1632C)	C0G	○	○	○	○	○	○	Aug 2012	Aug 2012	ⓔ
	X7R	○	○	○	○	○	○	Jul 2012	Jul 2012	
MLCC Array, CA052C	C0G	○	○	○	○	○	○	Aug 2012	Aug 2012	ⓔ
	X7R	○	○	○	○	○	○	Jul 2012	Jul 2012	

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

²China 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	Silver	SnPb Termination not offered
Termination Plating (Barrier)	100% Matte Tin (Nickel)	
Peak Temperature Capability	260°C	
Soldering Process Compatibility	Backward & Forward Compatible	
MSL Rating per J-STD-020C	Not Classified ⁶	
Tin Whisker Test Results based on JESD22-A121 and JESD2015 ⁷	Class 2	

⁶MSL not classified for ceramic capacitors. J-STD-020 is applicable to non-hermetic surface mount devices, and is intended for plastic package components. Kemet ceramic chips are not encapsulated in a plastic package, so they are not susceptible to these effects. If an MSL were required, the rating this product would be considered MSL 1 or better.

⁷Per EIA/ECA component bulletin CB19, tin whiskering is not considered a reliability risk within the capacitor industry for non-Military / Hi-Rel applications.

Ordering

CA	06	4	C	471	K	5	G	A	C
Ceramic Array	Case Size (L"x W")**	Number of Capacitors	Specification/ Series*	Capacitance Code (pF)	Capacitance Tolerance	Voltage	Dielectric	Failure Rate/ Design	End Metallization ^A
	05 = 0508 06 = 0612	2 = 2 capacitors 4 = 4 capacitors	C = Standard X = Flexible Termination	2 Sig. Digits + Number of Zeros	J = ±5% K = ±10% M = ±20%	8 = 10V 4 = 16V 3 = 25V 5 = 50V 1 = 100V 2 = 200V	G = C0G R = X7R	A = N/A	C = 100% Matte Sn

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

