

# Customer Notification Ceramic Commercial/ Automotive Aximax, Goldmax, & High Voltage Goldmax Capacitors Part Number Change

DATE:	Friday, January 27, 2012
Product	Ceramic Commercial/Automotive Aximax (C4XX) & Goldmax (C3XX) & HV Goldmax (C6XX)
Change Description	In an effort to reduce confusion and clear up erroneous part numbering options, Kemet is eliminating the letter "C" as an option for lead material on our Aximax & Goldmax product. The 13th character of Kemet's Aximax & Goldmax part numbers, which specifies lead material must show either a "T" for 100% Sn or an "H" for Sn/Pb. Kemet converted standard lead material for non-automotive, commercial Aximax and Goldmax product over to 100% Sn in 2006, so all non-automotive, commercial parts in these product types currently showing "C" as the lead material have actually been built as "T". This has been visible to our customers for several years on our reel labels, where the WIP labels already indicate the "T" version of the part numbers. There will be no change to the form, fit, or function of these partsthis is strictly a part number scheme change.
Effective Date and Identification	Effective July 15th, 2012 Kemet will no longer accept orders for any Aximax & Goldmax product that include a "C" in the 13th character of our part numbers. These parts will be set to order exclusion in ETBF at that time so that our system will not allow the parts to be entered. Customers who send orders in this way, will be contacted to change their Kemet part number to the correct format. Please notify and coordinate with your customers to make the necessary changes to the Kemet part numbers they are currently ordering/forecasting, and address this with all new quote requests as they come in to your desks.
Contact	Tiffany McGee CBG Associate Product Manager Kemet Product Management 1 (864) 967-6821 TiffanyMcGee@Kemet.com
	P.O. Box 5928, Greenville, South Carolina 296



### GOLDMAX

С	320	С	473	K	С	R	5	Т	А	7301
Ceramic	Style/Siz	Specification/ Series	Capacitance Code (pF)	Capacitance Tolerance	Voltage	Dielectric	Design	Lead Finish <sup>2</sup>	Failure Rate	Packaging/Grade (C-Spec) <sup>3</sup>
	315 32	C = Standard	2 Sig. Digits +	J = ±5%	C = 500V	G = COG	5 = Multilayer	T = 100% Matte Sn	A = N/A	Blank = Bulk
	316 328		Number of	K = ±10%	D = 1000V	R= X7R		H = SnPb (60/40)		7301 = 12" Reel
	317 330		Zeros.	M = ±20%	F = 1500V					7303 = 12" Reel
	318 33			Z =+80%, -20%	G = 2000V					7293 = Ammo Pack
	320 333				Z = 2500V					
	321 33				H = 3000V					
	322 330									
	323 340									
	324 346									
	325 350									
	326 356									

<sup>1</sup> Additional capacitance Tolerance offerings may be available. Contact KEMET for details.

<sup>2</sup> Lead materials:

Standard: 100% matte tin (Sn) with nickel (Ni) underplate and steel core ( "T" designation).

Alternative 1: 60% tin (Sn)/40% lead (Pb) finish with copper-clad steel core ( "H" designation).

Alternative 2: 60% tin (Sn)/40% lead (Pb) finish with 100% copper core (available with "H" designation code with C-Spec). Contact KEMET for C-Spec details.

#### <sup>3</sup> Reeling Options:

C-Spec 7303: Recommended for straight lead configuration part types.

C-Spec 7301: Recommended for formed (bent) lead configuration part types.





## HIGH VOLTAGE GOLDMAX

С	627	С	182	J	D	G	5	Т	А	7301
Ceramic	Style/Size	Specification/ Series	Capacitance Code (pF)	Capacitance Tolerance1	Voltage	Dielectric	Design	Lead Finish <sup>2</sup>	Failure Rate	Packaging/Grade (C-Spec) <sup>3</sup>
	617	C = Standard	2 Sig. Digits +	C = ±0.25pF	C = 500V	G = COG	5 = Multilayer	T = 100% Matte Sn	A = N/A	Blank = Bulk
	622 623		Number of	$D = \pm 0.5 pF$	D = 1000V	R= X7R		H = SnPb (60/40)		7301 = 12" Reel
	627 628		Zeros.	$J=\pm5\%$	F = 1500V					7303 = 12" Reel
	630 631		Use 9 for 1.0 - 9.9pF	K = ±10%	G = 2000V					7293 = Ammo Pack
	637 638		Use 8 for 0.5 - 0.99pF	$M = \pm 20\%$	Z = 2500V					
	640 641		ex. 2.2pF = 229		H = 3000V					
	642 643		ex. 0.5pF = 508							
	647 648									
	657 658									
	667 668									

<sup>1</sup> Additional capacitance Tolerance offerings may be available. Contact KEMET for details.

<sup>2</sup> Lead materials:

Standard: 100% matte tin (Sn) with nickel (Ni) underplate and steel core ( "T" designation).

Alternative 1: 60% Tin (Sn)/40% Lead (Pb) finish with copper-clad steel core ( "H" designation).

Alternative 2: 60% Tin (Sn)/40% Lead (Pb) finish with 100% copper core (available with "H" designation code with C-Spec). Contact KEMET for C-Spec details. <sup>3</sup> Reeling options:

C-Spec 7303: Recommended for straight lead configuration part types.

C-Spec 7301: Recommended for formed (bent) lead configuration part types.



#### AXIMAX

С	410	C	105	V	ე	R	5	т	٨	7200
C	410	C	100	Ν	<b>э</b>	К	C		A	7200
Ceramic	Style/Size	Specification/ Series	Capacitance Code (pF)	Capacitance Tolerance1	Voltage	Dielectric	Design	Lead Finish <sup>2</sup>	Failure Rate	Packaging/Grade (C-Spec)
	410	C = Standard	2 Sig. Digits +	J = ±5%	3 = 25V	G=C0G	5 = Multilayer	T = 100% Matte Sn	A = N/A	Blank = Bulk
	412		Number of	K = ±10%	5 = 50V	X = X7R		H = SnPb (60/40)		7200 = 12" Reel
	420		Zeros.	$M = \pm 20\%$	1 = 100V					7293 = Ammo Pack
	430				2 = 200V					
	440				A = 250V					

<sup>1</sup> Additional capacitance Tolerance offerings may be available. Contact KEMET for details.

<sup>2</sup> Lead materials:

Standard: 100% matte tin (Sn) with nickel (Ni) underplate and steel core ( "T" designation).

Alternative 1: 60% tin (Sn)/40% lead (Pb) finish with copper-clad steel core ( "H" designation).

Alternative 2: 60% tin (Sn)/40% Lead (Pb) finish with 100% copper core (available with "H" designation code with C-Spec). Contact

KEMET for C-Spec details.