

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 parts...this 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

GOLDMAX

C	320	C	473	K	C	R	5	T	A	7301
Ceramic	Style/Size	Specification/ Series	Capacitance Code (pF)	Capacitance Tolerance	Voltage	Dielectric	Design	Lead Finish ²	Failure Rate	Packaging/Grade (C-Spec) ³
	315 327 316 328 317 330 318 331 320 333 321 335 322 336 323 340 324 346 325 350 326 356	C = Standard	2 Sig. Digits + Number of Zeros.	J = ±5% K = ±10% M = ±20% Z = +80%, -20%	C = 500V D = 1000V F = 1500V G = 2000V Z = 2500V H = 3000V	G = COG R = X7R	5 = Multilayer	T = 100% Matte Sn H = SnPb (60/40)	A = N/A	Blank = Bulk 7301 = 12" Reel 7303 = 12" Reel 7293 = Ammo Pack

¹ Additional capacitance Tolerance offerings may be available. Contact KEMET for details.

² 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.

³ 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

C	627	C	182	J	D	G	5	T	A	7301
Ceramic	Style/Size	Specification/ Series	Capacitance Code (pF)	Capacitance Tolerance ¹	Voltage	Dielectric	Design	Lead Finish ²	Failure Rate	Packaging/Grade (C-Spec) ³
	617	C = Standard	2 Sig. Digits + Number of Zeros.	C = ±0.25pF D = ±0.5pF J = ±5% K = ±10% M = ±20%	C = 500V D = 1000V F = 1500V G = 2000V Z = 2500V H = 3000V	G = C0G R = X7R	5 = Multilayer	T = 100% Matte Sn H = SnPb (60/40)	A = N/A	Blank = Bulk 7301 = 12" Reel 7303 = 12" Reel 7293 = Ammo Pack
	622 623									
	627 628									
	630 631		Use 9 for 1.0 - 9.9pF							
	637 638		Use 8 for 0.5 - 0.99pF							
	640 641		ex. 2.2pF = 229							
	642 643		ex. 0.5pF = 508							
	647 648									
	657 658									
	667 668									

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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.

³ Reeling options:

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

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

AXIMAX

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

¹ Additional capacitance Tolerance offerings may be available. Contact KEMET for details.

² 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.

