

## Customer Change Notification

### KEMET Tantalum Part Number Standardization

<b>Date:</b> October 01, 2011	<b>ID Number (MMDDYYYY):</b> CCN-10012011-CWF
<b>Affected Products</b>	All B45XX and TXXX Evora Surface Mount Tantalum products.
<b>Change</b>	Consolidating B45 part numbers into the KEMET Core TXXX part numbering system. Automotive customers will need to include a customer specification: C-AUXX or AXXX to designate Automotive part numbers. AU=Auto, XX= 01-99; A=Auto, XXX=ESR level
<b>Justification &amp; Benefits</b>	In an effort to standardize all KEMET Tantalum part numbers, KEMET will cross all part numbers currently ordered using the Epcos B45XX part number to a KEMET core TXXX part number. Automotive part numbers will include the addition of a customer specification C-AUXX or AXXX to designate an automotive part number. This will insure proper control for change notifications.
<b>Effective Date &amp; Identification</b>	All part number changes will be completed by April 1, 2012. Please see attachment showing the B45 numbering system as compared to the KEMET core numbering system. Please contact your local KEMET Sales Representative if you have any uncertainty on how to cross reference part numbers.
<b>Contact</b>	Connie Fischer Quality Director, Tantalum Business Group KEMET Electronics Corporation (www.kemet.com) Tel: 956.548.7212 E-Mail: <a href="mailto:conniefischer@kemet.com">conniefischer@kemet.com</a>

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### B45 Numbering System

B45	197A	1	157	K	4	0	9
Capacitor Class	Series	Voltage	Capacitance Code (pF) + Exponent	Capacitance Tolerance	Case Size	ESR Quality	Reel Diameter
T = Tantalum	197A = SpeedPower, Low ESR (tinned terminals) 198R = SpeedPower, Low ESR (gold plated) 196P = Performance (tinned terminals) 198P = Performance (gold plated terminals) 196T = Performance, High Temp. 175°C (tinned terminals) 198T = Performance, High Temp. 175°C (gold plated terminals) 196H = High Cap. (tinned terminals) 198H = High Cap. (gold plated terminals) 190E/R = Low Profile, H <sub>max</sub> =1.2mm (tinned terminals) 192E/R = Low Profile, H <sub>max</sub> =1.5mm (tinned terminals) 194E/R = Low Profile, H <sub>max</sub> =2.0mm (tinned terminals) 396R = Multiple Anode, Ultra Low ESR (tinned terminals)	0 = 4V 1 = 6.3V 2 = 10V 3 = 16V 4 = 20V 5 = 25V 6 = 35V 7 = 50V	C (pF) 10 <sup>n</sup> e.g., 686 = 68pF, 10 <sup>6</sup> = 68μF 157 = 15pF, 10 <sup>7</sup> = 150μF	K = ±10% M = ±20%	1 = A 2 = B, R 3 = C, W, U 4 = D, V, X 5 = E	0 = Standard 1-4 = Premium	9 = 180mm 6 = 330mm

### KEMET Core Numbering System

T	491	X	157	K	020	A	T	XXXX
Capacitor Class	Series	Case Size	Capacitance Code (pF)	Capacitance Tolerance	Voltage	Failure Rate/Design	Lead Material	Packaging (C-Spec)
T = Tantalum	Industrial	A = 3216-18 B = 3528-21 C = 6032-28 D = 7343-31 E = 7260-38 R = 2012-12 S = 3216-12 T = 3528-12 U = 6032-15 V = 7343-20 X = 7343-43	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	2R5 = 2.5V 003 = 3V 004 = 4V 006 = 6.3V 010 = 10V 016 = 16V 020 = 20V 025 = 25V 035 = 35V 050 = 50V	A = N/A	T = 100% Matte Tin (Sn) Plated H = Standard Solder Coated (SnPb 5% Pb minimum) G = Gold Plated (A, B, C, D, X only)	Blank = 7" Reel 7280 = 13" Reel

