

Reference: QOD-510

## Product Change Notification PCN-041816-ASG

Date:	ID Number (MMDDYY): 051416									
Affected Products	Product Series: Standard Termination X7R dielectric and Commercial grade.  Part Types.  X7R 1206 EIA Case Size 10µF 6.3V to 16V  X7R 1206 EIA Case Size 4.7µF 6.3V to 25V  Termination System/s and finishes: Flexible Termin	c Automotive grade, Flexible Tender Automotive grade, Flexible Grade	·	ive						
Change Description	Using the most technically advanced dielectric materi- ensure an uninterrupted supply of Ceramic Capacitor reliability aspects.  Qualification testing has been performed in accordance part of this Notification.	testing has been performed in accordance with the requirements of AEC Q200 and the package h								
	Part Type	1206 X7R Dielectric 10µF 16V,	1206 X7R Dielectric 4.7µF 25V,							
	Length (mm)	10V and 6.3V 3.20 ± 0.20	16V, 10V and 6.3V 3.20 ± 0.20							
	Width (mm)	1.60 ± 0.20	1.60 ± 0.20							
	Thickness (mm)	1.60 ± 0.20	1.60 ± 0.20							
	Bandwidth (mm)	0.50 ± 0.25	0.50 ± 0.25							
	Temperature range	-55°C to +125°C	-55°C to +125°C							
	Dissipation Factor (%)	10% max	10% max							
	Aging Rate (Maximum % Capacitance Loss/Decade Hour)	3.5%	3.0%							
	Insulation Resistance (min)	10 M-Ohm	21.27 M-Ohm							
	Dielectric Withstanding Voltage	2.5xVr	2.5xVr							
	Electrical & Physical Characteristics_ Flexible Termination									
	Part Type	1206 X7R Dielectric 10µF 16V, 10V and 6.3V	1206 X7R Dielectric 4.7µF 25V, 16V, 10V and 6.3V							
	Length (mm)	$3.30 \pm 0.40$	3.30 ± 0.40							
	Width (mm)	1.60 ± 0.35	1.60 ± 0.35							
	Thickness (mm)	1.60 ± 0.35	1.60 ± 0.35							
	Bandwidth (mm)	0.60± 0.25	0.60 ± 0.25							
	Temperature range	-55°C to +125°C	-55°C to +125°C							
	Dissipation Factor (%)	10% max	10% max							
	Aging Rate (Maximum % Capacitance Loss/Decade Hour)	3.5%	3.0%							
	Insulation Resistance (min)	10 M-Ohm	21.27 M-Ohm							
	Dielectric Withstanding Voltage	2.5xVr	2.5xVr							



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Product Series	Ordering Information for both Standard and Flexible Termination is not changing with this PCN.										
Ordering Information	Standard Termination										
		С	1206	С	106	K	4	R	Α	С	
		Ceramic	Case Size (L" x W")	Specification/Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Dielectric	Failure Rate / Design	Termination Finish	
			1206	C=Standard Termination	2 Sig. digits+ + Number of zeros	J = ±5% K = ±10% M = ±20%	9 = 6.3 8 = 10 4 = 16 3 = 25	R=X7R	A=N/A	C=100%Matte Sn	
	Flexible Termination										
		С	1206	Х	106	K	4	R	Α	С	
		Ceramic	Case Size (L" x W")	Specification/Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Dielectric	Failure Rate / Design	Termination Finish	
			1206	X=Flexible Termination	2 Sig. digits+ + Number of zeros	J = ±5% K = ±10% M = ±20%	9 = 6.3 8 = 10 4 = 16 3 = 25	R=X7R	A=N/A	C=100%Matte Sn	
Effective Date and Identification											
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Affected Part Numbers	Please refer to "Affected Part Types" Excel file for KEMET part numbers being affected by this change.										
	Part numbers listed in the "Affected Part Types" excel file will begin to be supplied with the improved material on October 21st, 2016.										
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