

Product/Process Change Notification

PCN-082322-AGA Auto

Dielectric material formulation change.

Date:	ID Number (MMDDYY): 082322										
Affected Products	Product Line: X7R		Case Size: 0805		Cap: 106 (10.0μF)						
	Voltage: 10V & 6.3V		Tolerances: All		C-spec's: AUTO, 3123, 3124, 3020, 3083						
	Grade: Automotive		Termination: 100% Sn & Flexible Termination Automotive								
Change											
KEMET has improved its dielectric material formulation ensuring additional supply of MLCCs to meet increasing customer demand. Qualification testing has been performed in accordance with the requirements of AEC Q200.											
Standard Termination											
Part Type	Length (mm)		Width (mm)		Thickness (mm)		DF (Max %)		IR MIN (Mohm)		pcs / reel (7in / 13in)
	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current	Planned	
0805 X7R 10μF 10V	2.0±0.30	2.0±0.30	1.25±0.20	1.25±0.20	1.25±0.20	1.25±0.20	10%	10%	10	10	2,500 / 10,000
0805 X7R 10μF 6.3V	2.0±0.30	2.0±0.30	1.25±0.20	1.25±0.20	1.25±0.20	1.25±0.20	10%	10%	10	10	2,500 / 10,000
Flexible Termination											
Part Type	Length (mm)		Width (mm)		Thickness (mm)		DF (Max %)		IR MIN (Mohm)		pcs / reel (7in / 13in)
	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current	Planned	
0805 X7R 10μF 10V	2.0±0.35	2.0±0.35	1.25±0.30	1.25±0.30	1.25±0.20	1.25±0.25	10%	10%	10	10	2,500 / 10,000
0805 X7R 10μF 6.3V	2.0±0.35	2.0±0.35	1.25±0.30	1.25±0.30	1.25±0.20	1.25±0.25	10%	10%	10	10	2,500 / 10,000
Ordering Information											
C	0805	C	106	K	8	R	A	C	AUTO		
Cer	Case Size (LxW)	Specification / Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Diel.	Failure Rate/ Design	Termination Finish	Packaging/ Grade (C-Spec)		
	0805	C= Standard X= Flexible Termination	Two significant digits + number of zeros.	J = ±5% K = ±10% M = ±20%	9 = 6.3V 8 = 10V	R = X7R	A= N/A	C=100% Sn	AUTO = 7in T&R Automotive Grade		
Effective Date and Identification		<i>Beginning implementation Date</i> 02/27/23									

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KEMET Part Number

C0805C106J8RACAUTO
C0805C106J9RACAUTO
C0805C106J8RACAUTO7210
C0805C106J9RACAUTO7210
C0805C106K8RAC3020
C0805C106K8RAC3123
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