

Reference: QOD-510

Product/Process Change Notification
PCN-050823-AGA
 Change in thickness and / or electrical limits.

Affected Product Scope:	Grade: Commercial		ID Number (MMDDYY): 050823					
	Diel	Case Size	Capacitance (Cap Code)	Voltages (DC)		End Term (C)	Tol	C-specs
	X7R	0805	100nF (104)	100V		100% Sn	J K M	7800, 7210 7025, 7215 Suffix: TU, TM
		0805	2.2uF (225)	16V, 10V, 6.3V				
		1206	680nF (684)	25V, 16V, 10V, 6.3V				
		1206	15nF (153)	250V, 200V, 100V, 50V, 35V, 25V, 16V, 10V, 6.3V				
1210		10.0uF (106)	16V					
See Affected part list below.								

Change: The following KEMET parts will change thickness and/or electrical dimension.

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	Current	Planned
X7R 0805 100nF 100V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	1.00±0.10	1.25±0.20	2.5%	2.5%	10,000	10,000	2,500/10,000	2,500/10,000
X7R 0805 2.2uF 16V	2.0±0.20	2.0±0.20	1.25±0.20	1.25±0.20	1.25±0.15	1.25±0.20	10.0%	10.0%	45.5	45.5	2,500/10,000	2,500/10,000
X7R 0805 2.2uF 10V	2.0±0.20	2.0±0.20	1.25±0.20	1.25±0.20	1.25±0.15	1.25±0.20	10.0%	10.0%	45.5	45.5	2,500/10,000	2,500/10,000
X7R 0805 2.2uF 6.3V	2.0±0.20	2.0±0.20	1.25±0.20	1.25±0.20	1.25±0.15	1.25±0.20	10.0%	10.0%	45.5	45.5	2,500/10,000	2,500/10,000
X7R 1206 680nF 25V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.10±0.10	1.20±0.15	3.5%	3.5%	753	753	2,500/10,000	2,500/10,000
X7R 1206 680nF 16V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.10±0.10	1.20±0.15	3.5%	3.5%	753	753	2,500/10,000	2,500/10,000
X7R 1206 680nF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.10±0.10	1.20±0.15	5.0%	3.5%	753	753	2,500/10,000	2,500/10,000
X7R 1206 680nF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.10±0.10	1.20±0.15	5.0%	3.5%	753	753	2,500/10,000	2,500/10,000
X7R 1206 15nF 250V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	2.5%	2.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 200V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	2.5%	2.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 100V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	2.5%	2.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 50V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	2.5%	2.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 35V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	2.5%	2.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 25V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	3.5%	3.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 16V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	3.5%	3.5%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	5.0%	5.0%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1206 15nF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.78±0.10	0.78±0.20	5.0%	5.0%	66,666	10,000	4,000/10,000	4,000/10,000
X7R 1210 10uF 16V	3.20±0.30	3.20±0.30	2.50±0.22	2.50±0.22	1.90±0.20	1.90±0.20	3.5%	5.0%	10	10	2,000/8,000	2,000/8,000

Effective Date	Shipments beginning August 14th, 2023
Notes	This is a Commercial PCN for Notification only. Do not need written approval
To Obtain Samples or General Information Contact	<p>Ana Garza Technical Product Engineer Ceramic Product Business Unit KEMET Electronics Corporation Ana.Garza@yageo.com</p> <p>Corey Antoniades Product Manager – Commercial MLCCs Ceramic Product Business Unit KEMET Electronics Corporation Corey.Antoniades@yageo.com</p>

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Sales Affected part types:		
C0805C104J1RACTU	C0805C225M9RAC7025	C0805C225K4RAC7025
C0805C104K1RACTU	C0805C225J8RACTU	C0805C225M4RAC7025
C0805C104M1RACTU	C0805C225K8RACTU	C1206C684J9RACTU
C0805C104J1RAC7800	C0805C225M8RACTU	C1206C684K9RACTU
C0805C104K1RAC7800	C0805C225J8RAC7800	C1206C684M9RACTU
C0805C104M1RAC7800	C0805C225K8RAC7800	C1206C684J9RAC7800
C0805C104J1RAC7210	C0805C225M8RAC7800	C1206C684K9RAC7800
C0805C104K1RAC7210	C0805C225J8RAC7210	C1206C684M9RAC7800
C0805C104M1RAC7210	C0805C225K8RAC7210	C1206C684J9RAC7210
C0805C104J1RACTM	C0805C225M8RAC7210	C1206C684K9RAC7210
C0805C104K1RACTM	C0805C225J8RACTM	C1206C684M9RAC7210
C0805C104M1RACTM	C0805C225K8RACTM	C1206C684J9RACTM
C0805C104J1RAC7215	C0805C225M8RACTM	C1206C684K9RACTM
C0805C104K1RAC7215	C0805C225J8RAC7215	C1206C684M9RACTM
C0805C104M1RAC7215	C0805C225K8RAC7215	C1206C684J9RAC7215
C0805C104J1RAC7025	C0805C225M8RAC7215	C1206C684K9RAC7215
C0805C104K1RAC7025	C0805C225J8RAC7025	C1206C684M9RAC7215
C0805C104M1RAC7025	C0805C225K8RAC7025	C1206C684J9RAC7025
C0805C225J9RACTU	C0805C225M8RAC7025	C1206C684K9RAC7025
C0805C225K9RACTU	C0805C225J4RACTU	C1206C684M9RAC7025
C0805C225M9RACTU	C0805C225K4RACTU	C1206C684J8RACTU
C0805C225J9RAC7800	C0805C225M4RACTU	C1206C684K8RACTU
C0805C225K9RAC7800	C0805C225J4RAC7800	C1206C684M8RACTU
C0805C225M9RAC7800	C0805C225K4RAC7800	C1206C684J8RAC7800
C0805C225J9RAC7210	C0805C225M4RAC7800	C1206C684K8RAC7800
C0805C225K9RAC7210	C0805C225J4RAC7210	C1206C684M8RAC7800
C0805C225M9RAC7210	C0805C225K4RAC7210	C1206C684J8RAC7210
C0805C225J9RACTM	C0805C225M4RAC7210	C1206C684K8RAC7210
C0805C225K9RACTM	C0805C225J4RACTM	C1206C684M8RAC7210
C0805C225M9RACTM	C0805C225K4RACTM	C1206C684J8RACTM
C0805C225J9RAC7215	C0805C225M4RACTM	C1206C684K8RACTM
C0805C225K9RAC7215	C0805C225J4RAC7215	C1206C684M8RACTM
C0805C225M9RAC7215	C0805C225K4RAC7215	C1206C684J8RAC7215
C0805C225J9RAC7025	C0805C225M4RAC7215	C1206C684K8RAC7215
C0805C225K9RAC7025	C0805C225J4RAC7025	C1206C684M8RAC7215

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Sales Affected part types:		
C1206C684J8RAC7025	C1206C684M3RAC7215	C1206C153K2RAC7215
C1206C684K8RAC7025	C1206C684J3RAC7025	C1206C153M2RAC7215
C1206C684M8RAC7025	C1206C684K3RAC7025	C1206C153J2RAC7025
C1206C684J4RACTU	C1206C684M3RAC7025	C1206C153K2RAC7025
C1206C684K4RACTU	C1206C153JARACTU	C1206C153M2RAC7025
C1206C684M4RACTU	C1206C153KARACTU	C1206C153J1RACTU
C1206C684J4RAC7800	C1206C153MARACTU	C1206C153K1RACTU
C1206C684K4RAC7800	C1206C153JARAC7800	C1206C153M1RACTU
C1206C684M4RAC7800	C1206C153KARAC7800	C1206C153J1RAC7800
C1206C684J4RAC7210	C1206C153MARAC7800	C1206C153K1RAC7800
C1206C684K4RAC7210	C1206C153JARAC7210	C1206C153M1RAC7800
C1206C684M4RAC7210	C1206C153KARAC7210	C1206C153J1RAC7210
C1206C684J4RACTM	C1206C153MARAC7210	C1206C153K1RAC7210
C1206C684K4RACTM	C1206C153JARACTM	C1206C153M1RAC7210
C1206C684M4RACTM	C1206C153KARACTM	C1206C153J1RACTM
C1206C684J4RAC7215	C1206C153MARACTM	C1206C153K1RACTM
C1206C684K4RAC7215	C1206C153JARAC7215	C1206C153M1RACTM
C1206C684M4RAC7215	C1206C153KARAC7215	C1206C153J1RAC7215
C1206C684J4RAC7025	C1206C153MARAC7215	C1206C153K1RAC7215
C1206C684K4RAC7025	C1206C153JARAC7025	C1206C153M1RAC7215
C1206C684M4RAC7025	C1206C153KARAC7025	C1206C153J1RAC7025
C1206C684J3RACTU	C1206C153MARAC7025	C1206C153K1RAC7025
C1206C684K3RACTU	C1206C153J2RACTU	C1206C153M1RAC7025
C1206C684M3RACTU	C1206C153K2RACTU	C1206C153J5RACTU
C1206C684J3RAC7800	C1206C153M2RACTU	C1206C153K5RACTU
C1206C684K3RAC7800	C1206C153J2RAC7800	C1206C153M5RACTU
C1206C684M3RAC7800	C1206C153K2RAC7800	C1206C153J5RAC7800
C1206C684J3RAC7210	C1206C153M2RAC7800	C1206C153K5RAC7800
C1206C684K3RAC7210	C1206C153J2RAC7210	C1206C153M5RAC7800
C1206C684M3RAC7210	C1206C153K2RAC7210	C1206C153J5RAC7210
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C1206C684K3RACTM	C1206C153J2RACTM	C1206C153M5RAC7210
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C1206C684J3RAC7215	C1206C153M2RACTM	C1206C153K5RACTM
C1206C684K3RAC7215	C1206C153J2RAC7215	C1206C153M5RACTM

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Sales Affected part types:		
C1206C153J5RAC7215	C1206C153M6RACTM	C1206C153K8RACTM
C1206C153K5RAC7215	C1206C153J6RAC7215	C1206C153M8RACTM
C1206C153M5RAC7215	C1206C153K6RAC7215	C1206C153J8RAC7215
C1206C153J5RAC7025	C1206C153M6RAC7215	C1206C153K8RAC7215
C1206C153K5RAC7025	C1206C153J6RAC7025	C1206C153M8RAC7215
C1206C153M5RAC7025	C1206C153K6RAC7025	C1206C153J8RAC7025
C1206C153J3RACTU	C1206C153M6RAC7025	C1206C153K8RAC7025
C1206C153K3RACTU	C1206C153J4RACTU	C1206C153M8RAC7025
C1206C153M3RACTU	C1206C153K4RACTU	C1206C153J9RACTU
C1206C153J3RAC7800	C1206C153M4RACTU	C1206C153K9RACTU
C1206C153K3RAC7800	C1206C153J4RAC7800	C1206C153M9RACTU
C1206C153M3RAC7800	C1206C153K4RAC7800	C1206C153J9RAC7800
C1206C153J3RAC7210	C1206C153M4RAC7800	C1206C153K9RAC7800
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C1206C153M3RAC7210	C1206C153K4RAC7210	C1206C153J9RAC7210
C1206C153J3RACTM	C1206C153M4RAC7210	C1206C153K9RAC7210
C1206C153K3RACTM	C1206C153J4RACTM	C1206C153M9RAC7210
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C1206C153K6RACTU	C1206C153J8RACTU	C1206C153M9RAC7025
C1206C153M6RACTU	C1206C153K8RACTU	C1210C106J4RACTU
C1206C153J6RAC7800	C1206C153M8RACTU	C1210C106K4RACTU
C1206C153K6RAC7800	C1206C153J8RAC7800	C1210C106M4RACTU
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C1206C153M6RAC7210	C1206C153K8RAC7210	C1210C106J4RAC7210
C1206C153J6RACTM	C1206C153M8RAC7210	C1210C106K4RAC7210
C1206C153K6RACTM	C1206C153J8RACTM	C1210C106M4RAC7210

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