

Reference: QOD-510

Product/Process Change Notification
PCN-063023-AGA
 Changes impacting Dimensional, Electrical and Reeling Quantity

Affected Product Scope:	Grade: Commercial						ID Number (MMDDYY): 063023					
	Diel	Case Size	Capacitance (Cap Code)	Voltages (DC)				End Term (C)	Tol	C-specs		
	X7R	1206	10nF (103)	250V, 200V, 100V, 50V, 35V, 25V, 16V, 10V, 6.3V				100% Sn	All	7800, 7210 7025, 7215		
		1206	100nF (104)	250V, 200V						Suffix: TU, TM		
		1206	1.0uF (105)	50V, 35V								
		1210	220nF (224)	50V, 25V, 16V, 10V, 6.3V								
1210		1.0uF (105)	50V, 25V, 16V, 10V, 6.3V									

See KEMET part types affected file.

Change: The following KEMET parts will change thickness 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 1206 10nF 250V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	2.5%	2.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 200V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	2.5%	2.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 100V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	2.5%	2.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 50V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	2.5%	2.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 35V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	2.5%	2.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 25V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	3.5%	3.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 16V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	3.5%	3.5%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 10V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	5.0%	5.0%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 10nF 6.3V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	0.78±0.10	1.25±0.20	5.0%	5.0%	100,000	10,000	4,000/10,000	2,500/10,000
X7R 1206 100nF 250V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	1.25±0.15	1.60±0.20	2.5%	2.5%	10,000	5,000	2,500/10,000	2,000/8,000
X7R 1206 100nF 200V	3.20±0.20	3.20±0.30	1.60±0.20	1.60±0.20	1.25±0.15	1.60±0.20	2.5%	2.5%	10,000	5,000	2,500/10,000	2,000/8,000
X7R 1206 1.0uF 50V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	2.5%	3.5%	500	500	2,500/10,000	2,000/8,000
X7R 1206 1.0uF 35V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	2.5%	3.5%	500	500	2,500/10,000	2,000/8,000
X7R 1210 220nF 50V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.30	0.90±0.10	1.10±0.10	2.5%	2.5%	4,546	2,273	4,000/10,000	2,500/10,000
X7R 1210 220nF 25V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.30	0.90±0.10	1.10±0.10	3.5%	3.5%	4,546	2,273	4,000/10,000	2,500/10,000
X7R 1210 220nF 16V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.30	0.90±0.10	1.10±0.10	3.5%	3.5%	4,546	2,273	4,000/10,000	2,500/10,000
X7R 1210 220nF 10V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.30	0.90±0.10	1.10±0.10	5.0%	5.0%	4,546	2,273	4,000/10,000	2,500/10,000
X7R 1210 220nF 6.3V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.30	0.90±0.10	1.10±0.10	5.0%	5.0%	4,546	2,273	4,000/10,000	2,500/10,000
X7R 1210 1.0uF 50V	3.20±0.40	3.20±0.40	2.50±0.30	2.50±0.30	1.55±0.15	1.25±0.20	5.0%	5.0%	500	500	2,000/8,000	2,500/10,000
X7R 1210 1.0uF 25V	3.20±0.20	3.20±0.40	2.50±0.20	2.50±0.30	1.55±0.15	1.25±0.20	3.5%	5.0%	500	500	2,000/8,000	2,500/10,000
X7R 1210 1.0uF 16V	3.20±0.20	3.20±0.40	2.50±0.20	2.50±0.30	1.55±0.15	1.25±0.20	3.5%	5.0%	500	500	2,000/8,000	2,500/10,000
X7R 1210 1.0uF 10V	3.20±0.20	3.20±0.40	2.50±0.20	2.50±0.30	1.55±0.15	1.25±0.20	5.0%	5.0%	500	500	2,000/8,000	2,500/10,000
X7R 1210 1.0uF 6.3V	3.20±0.20	3.20±0.40	2.50±0.20	2.50±0.30	1.55±0.15	1.25±0.20	5.0%	5.0%	500	500	2,000/8,000	2,500/10,000

Blue Font under "Planned" indicates a change.
 Black Font under "Planned" indicates No change.

Effective Date	Shipments beginning October 16th, 2023
Notes	This is a Commercial PCN for Notification only. Do not need written approval

To Obtain Samples or General Information Contact	Ana Garza Technical Product Engineer Ceramic Product Business Unit KEMET Electronics Corporation Ana.Garza@yageo.com Corey Antoniades Product Manager – Commercial MLCCs Ceramic Product Business Unit KEMET Electronics Corporation Corey.Antoniades@yageo.com
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