

Reference: QOD-510

X7R 1206 10nF 6.3V

X7R 1206 1.0uF 50V

X7R 1210 220nF 25V

X7R 1210 220nF 16V

X7R 1210 220nF 10V

X7R 1210 220nF 6.3V

X7R 1210 1.0uF 50V

X7R 1210 1.0uF 25V

X7R 1210 1.0uF 16V

X7R 1210 1.0uF 10V

X7R 1210 1.0uF 6.3V

## Product/Process Change Notification PCN-063023-AGA

Changes impacting Dimensional, Electrical and Reeling Quantity

Affected	Grade:	Grade: Commercial				ID Number (MMDDYY): 063023							
Product Scope:	Diel	Case Size	Capacitan (Cap Cod		Voltages (DC)					End Term (C)	Tol	C-specs	
	X7R	1206	10nF (10	3)			00V, 50V, 35V, , 10V, 6.3V			100%	All	7800, 7210 7025, 7215	
		1206	100nF (10	)4)	250V, 200V					Sn			
		1206	1.0uF (10	5)	50V, 35V 50V, 25V, 16V, 10V, 6.3V							Suffix: TU, TM	
		1210	220nF (22	24)									
		1210	1.0uF (10	5)	50\	/, 25V, 16	6V, 10V,	6.3V					
		•		•									
										See KEMI	ET part ty	oes affected f	
Change: The												pes affected f	
Change: The	Ler	ngth (mm)	Width	(mm)	Thickne	ss (mm)	DF (N	/lax %)	IR MIN	(Mohm)	pcs / re	el (7in / 13in)	
Part Type	Ler Current	ngth (mm) Planned	Width Current	(mm) Planned	Thickne Current	ss (mm) Planned	DF (N Current	/lax %) Planned	IR MIN Current	(Mohm) Planned	pcs / re Current	el (7in / 13in) Planned	
Change: The Part Type  X7R 1206 10nF 250V X7R 1206 10nF 200V	Ler	ngth (mm) : Planned 20 3.20±0.3	Width Current 0 1.60±0.20	(mm) Planned 1.60±0.20	Thickne Current 0.78±0.10	ss (mm) Planned 1.25±0.20	DF (N	Max %) Planned 2.5%	IR MIN Current 100,000	(Mohm) Planned 10,000	pcs / re Current 4,000/10,00	eel (7in / 13in) Planned 0 2,500/10,0	
Part Type X7R 1206 10nF 250V X7R 1206 10nF 200V	Current 3.20±0.	ngth (mm) Planned 3.20±0.3 3.20±0.3	Width Current 0 1.60±0.20 0 1.60±0.20	(mm) Planned	Thickne Current 0.78±0.10 0.78±0.10	Planned 1.25±0.20 1.25±0.20	DF (N Current 2.5%	Planned 2.5% 2.5%	IR MIN Current	Mohm) Planned 10,000	pcs / re Current	eel (7in / 13in) Planned 0 2,500/10,0 0 2,500/10,0	
Part Type  X7R 1206 10nF 250V  X7R 1206 10nF 200V  X7R 1206 10nF 100V	Current 3.20±0 3.20±0	ngth (mm) Planned 3.20±0.3 3.20±0.3 3.20±0.3	Width Current 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20	(mm) Planned 1.60±0.20 1.60±0.20	Thicknet Current 0.78±0.10 0.78±0.10 0.78±0.10	ss (mm) Planned 1.25±0.20 1.25±0.20 1.25±0.20	DF (N Current 2.5% 2.5%	Planned 2.5% 2.5% 2.5%	IR MIN Current 100,000 100,000	Mohm) Planned 10,000 10,000	pcs / re Current 4,000/10,00	Planned 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0	
Part Type X7R 1206 10nF 250V	Current 3.20±0 3.20±0 3.20±0	ngth (mm) Planned 3.20±0.3 20 3.20±0.3 20 3.20±0.3 20 3.20±0.3	Width Current 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20	(mm) Planned 1.60±0.20 1.60±0.20 1.60±0.20	Thicknet Current 0.78±0.10 0.78±0.10 0.78±0.10 0.78±0.10	ss (mm) Planned 1.25±0.20 1.25±0.20 1.25±0.20 1.25±0.20	DF (N Current 2.5% 2.5% 2.5%	Planned 2.5% 2.5% 2.5% 2.5%	IR MIN Current 100,000 100,000	Mohm) Planned 10,000 10,000 10,000	pcs / re Current 4,000/10,00 4,000/10,00	pel (7in / 13in) Planned 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0	
Part Type  X7R 1206 10nF 250V  X7R 1206 10nF 200V  X7R 1206 10nF 100V  X7R 1206 10nF 50V  X7R 1206 10nF 35V	Ler Current 3.20±0 3.20±0 3.20±0	ngth (mm) Planned 3.20±0.3 3.20±0.3 3.20±0.3 3.20±0.3 3.20±0.3 3.20±0.3	Width Current 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20	(mm) Planned 1.60±0.20 1.60±0.20 1.60±0.20 1.60±0.20	Thicknet Current 0.78±0.10 0.78±0.10 0.78±0.10 0.78±0.10 0.78±0.10	Planned 1.25±0.20 1.25±0.20 1.25±0.20 1.25±0.20 1.25±0.20	DF (N Current 2.5% 2.5% 2.5% 2.5%	Planned 2.5% 2.5% 2.5% 2.5% 2.5%	IR MIN Current 100,000 100,000 100,000 100,000	Mohm) Planned 10,000 10,000 10,000 10,000 10,000	pcs / re Current 4,000/10,00 4,000/10,00 4,000/10,00	Planned 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0	
Part Type  X7R 1206 10nF 250V  X7R 1206 10nF 200V  X7R 1206 10nF 100V  X7R 1206 10nF 50V	Ler Current 3.20±0 3.20±0 3.20±0 3.20±0	ngth (mm) Planned 3.20±0.3 20 3.20±0.3 20 3.20±0.3 20 3.20±0.3 20 3.20±0.3 20 3.20±0.3	Width Current 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20 0 1.60±0.20	(mm) Planned 1.60±0.20 1.60±0.20 1.60±0.20 1.60±0.20	Thicknet Current 0.78±0.10 0.78±0.10 0.78±0.10 0.78±0.10 0.78±0.10 0.78±0.10	Planned 1.25±0.20 1.25±0.20 1.25±0.20 1.25±0.20 1.25±0.20 1.25±0.20	DF (N Current 2.5% 2.5% 2.5% 2.5% 2.5%	Planned 2.5% 2.5% 2.5% 2.5% 2.5% 3.5%	IR MIN Current 100,000 100,000 100,000 100,000	Mohm) Planned 10,000 10,000 10,000 10,000 10,000 10,000	pcs / re Current 4,000/10,00 4,000/10,00 4,000/10,00 4,000/10,00 4,000/10,00	Planned 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0 0 2,500/10,0	

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3.20±0.20 | 3.20±0.30 | 1.60±0.20 | 1.60±0.20 | 0.78±0.10 | 1.25±0.20

3.20±0.20 | 3.20±0.20 | 1.60±0.20 | 1.60±0.20 | 1.00±0.10 | 1.60±0.20

3.20±0.20 | 3.20±0.20 | 2.50±0.20 | 2.50±0.30 | 0.90±0.10 | 1.10±0.10

3.20±0.20 | 3.20±0.20 | 2.50±0.20 | 2.50±0.30 | 0.90±0.10 | 1.10±0.10

3.20±0.20 | 3.20±0.20 | 2.50±0.20 | 2.50±0.30 | 0.90±0.10 | 1.10±0.10

3.20±0.20 | 3.20±0.20 | 2.50±0.20 | 2.50±0.30 | 0.90±0.10 | 1.10±0.10

3.20±0.40 | 3.20±0.40 | 2.50±0.30 | 2.50±0.30 | 1.55±0.15 | 1.25±0.20

3.20±0.20 | 3.20±0.40 | 2.50±0.20 | 2.50±0.30 | 1.55±0.15 | 1.25±0.20

3.20±0.20 | 3.20±0.40 | 2.50±0.20 | 2.50±0.30 | 1.55±0.15 | 1.25±0.20

3.20±0.20 3.20±0.40 2.50±0.20 2.50±0.30 1.55±0.15 1.25±0.20

3.20±0.20 3.20±0.40 2.50±0.20 2.50±0.30 1.55±0.15 1.25±0.20

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

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

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

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

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					

## **KEMET Corporation**

**KEMET Tower** 

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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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