

Reference: QOD-510

Product/Process Change Notification
PCN-060724-AGA
 Changes impacting Dimensional and Reeling Quantity

Affected Product Scope:	Grade: Commercial				ID Number (MMDDYY): 060724		
	Diel	Case Size	Capacitance (Cap Code)	Voltages (DC)	Tol	End Term (C)	C-specs
	X5R	0805	684	25V	K,M	100% Sn	7867, 7800, 7411, 7210, 7013, 7025, 7040, 7215, Suffix: TU, TM
	X5R	0805	125	16V, 10V, 6.3V, 4V	K,M		
	X5R	0805	155	16V, 10V, 6.3V, 4V	K,M		
	X5R	0805	185	16V, 10V, 6.3V, 4V	K,M		
	X5R	1206	155	25V, 16V, 10V, 6.3V	K,M		
	X5R	1206	275	25V, 16V, 10V, 6.3V	K,M		
	X5R	1206	395	25V, 16V, 10V, 6.3V	K,M		
	X5R	1206	685	10V, 6.3V	K,M		
	X5R	1206	825	10V, 6.3V	K,M		
	X5R	1210	125	25V, 16V, 10V, 6.3V	K,M		
	X5R	1210	155	25V, 16V, 10V, 6.3V	K,M		
	X5R	1210	185	25V, 16V, 10V, 6.3V	K,M		
	X5R	1210	335	25V, 16V, 10V, 6.3V	K,M		
	X5R	1210	395	25V, 16V, 10V, 6.3V	K,M		
	X5R	1210	565	16V, 10V, 6.3V	K,M		
	X5R	1210	685	25V, 16V, 10V, 6.3V	K,M		
	X5R	1210	825	16V, 10V, 6.3V	K,M		
	X5R	1210	126	10V, 6.3V	K,M		
	X5R	1210	156	10V, 6.3V	K,M		
	Y5V	1206	685	10V, 6.3V	M,Z		

See KEMET part types affected file.

KEMET Corporation

KEMET Tower

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

Part Type	Length (mm)		Width (mm)		Thickness (mm)		DF (Max %)		IR (Min MΩ)		Pcs/Reel (7in / 13in)	
	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current	Planned
X5R 0805 680nF 25V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	1.00±0.10	1.25±0.20	5.0%	5.0%	735.30	735.30	2,500/10,000	2,500/10,000
X5R 0805 1.2uF 16V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.00±0.10	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 0805 1.2uF 10V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.00±0.10	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 0805 1.2uF 6.3V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.00±0.10	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 0805 1.2uF 4V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.00±0.10	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 0805 1.5uF 16V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.25±0.15	10.0%	10.0%	66.67	66.67	4,000/15,000	2,500/10,000
X5R 0805 1.5uF 10V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.25±0.15	10.0%	10.0%	66.67	66.67	4,000/15,000	2,500/10,000
X5R 0805 1.5uF 6.3V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.25±0.15	10.0%	10.0%	66.67	66.67	4,000/15,000	2,500/10,000
X5R 0805 1.5uF 4V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.78±0.10	1.25±0.15	10.0%	10.0%	66.67	66.67	4,000/15,000	2,500/10,000
X5R 0805 1.8uF 16V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.90±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 0805 1.8uF 10V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.90±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 0805 1.8uF 6.3V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.90±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 0805 1.8uF 4V	2.00±0.20	2.00±0.20	1.25±0.20	1.25±0.20	0.90±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 1206 1.5uF 25V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.90±0.10	1.60±0.15	5.0%	5.0%	66.70	66.70	4,000/15,000	2,000/8,000
X5R 1206 1.5uF 16V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.90±0.10	1.60±0.15	10.0%	10.0%	66.70	66.70	4,000/15,000	2,000/8,000
X5R 1206 1.5uF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.90±0.10	1.60±0.15	10.0%	10.0%	66.70	66.70	4,000/15,000	2,000/8,000
X5R 1206 1.5uF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.90±0.10	1.60±0.15	10.0%	10.0%	66.70	66.70	4,000/15,000	2,000/8,000
X5R 1206 2.7uF 25V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.20±0.15	1.60±0.20	10.0%	10.0%	37.00	37.00	2,500/10,000	2,000/8,000
X5R 1206 2.7uF 16V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.20±0.15	1.60±0.20	10.0%	10.0%	37.00	37.00	2,500/10,000	2,000/8,000
X5R 1206 2.7uF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.20±0.15	1.60±0.20	10.0%	10.0%	37.00	37.00	2,500/10,000	2,000/8,000
X5R 1206 2.7uF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.20±0.15	1.60±0.20	10.0%	10.0%	37.00	37.00	2,500/10,000	2,000/8,000
X5R 1206 3.9uF 25V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	10.0%	10.0%	25.60	37.00	2,500/10,000	2,000/8,000
X5R 1206 3.9uF 16V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	10.0%	10.0%	25.60	37.00	2,500/10,000	2,000/8,000
X5R 1206 3.9uF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	10.0%	10.0%	25.60	37.00	2,500/10,000	2,000/8,000
X5R 1206 3.9uF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	10.0%	10.0%	25.60	37.00	2,500/10,000	2,000/8,000
X5R 1206 6.8uF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.80±0.10	1.60±0.20	10.0%	10.0%	14.70	14.70	2,000/8,000	2,000/8,000
X5R 1206 6.8uF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	0.80±0.10	1.60±0.20	10.0%	10.0%	14.70	14.70	2,000/8,000	2,000/8,000
X5R 1206 8.2uF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	10.0%	10.0%	12.20	12.20	2,500/10,000	2,000/8,000
X5R 1206 8.2uF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.00±0.10	1.60±0.20	10.0%	10.0%	12.20	12.20	2,500/10,000	2,000/8,000
X5R 1210 1.2 uF 25V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	5.0%	5.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 1210 1.2 uF 16V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 1210 1.2 uF 10V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 1210 1.2 uF 6.3V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	83.30	83.30	4,000/15,000	2,500/10,000
X5R 1210 1.5uF 25V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	5.0%	5.0%	66.70	66.70	4,000/15,000	2,500/10,000
X5R 1210 1.5uF 16V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	66.70	66.70	4,000/15,000	2,500/10,000
X5R 1210 1.5uF 10V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	66.70	66.70	4,000/15,000	2,500/10,000
X5R 1210 1.5uF 6.3V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	66.70	66.70	4,000/15,000	2,500/10,000
X5R 1210 1.8uF 25V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	5.0%	5.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 1210 1.8uF 16V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 1210 1.8uF 10V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000
X5R 1210 1.8uF 6.3V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	0.95±0.10	1.25±0.15	10.0%	10.0%	55.60	55.60	4,000/15,000	2,500/10,000

- Form
- Fit
- Function

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

Reference: QOD-510

Part Type	Length (mm)		Width (mm)		Thickness (mm)		DF (Max %)		IR (Min MΩ)		Pcs/Reel (7in / 13in)	
	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current	Planned	Current	Planned
X5R 1210 3.3uF 25V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.55±0.15	1.70±0.20	10.0%	10.0%	30.30	30.30	2,000/8,000	2,000/8,000
X5R 1210 3.3uF 16V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.55±0.15	1.70±0.20	10.0%	10.0%	30.30	30.30	2,000/8,000	2,000/8,000
X5R 1210 3.3uF 10V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.55±0.15	1.70±0.20	10.0%	10.0%	30.30	30.30	2,000/8,000	2,000/8,000
X5R 1210 3.3uF 6.3V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.55±0.15	1.70±0.20	10.0%	10.0%	30.30	30.30	2,000/8,000	2,000/8,000
X5R 1210 3.9uF 25V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.85±0.20	2.10±0.20	10.0%	10.0%	25.60	25.60	2,000/8,000	2,000/8,000
X5R 1210 3.9uF 16V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.85±0.20	2.10±0.20	10.0%	10.0%	25.60	25.60	2,000/8,000	2,000/8,000
X5R 1210 3.9uF 10V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.85±0.20	2.10±0.20	10.0%	10.0%	25.60	25.60	2,000/8,000	2,000/8,000
X5R 1210 3.9uF 6.3V	3.20±0.20	3.20±0.20	2.50±0.20	2.50±0.20	1.85±0.20	2.10±0.20	10.0%	10.0%	25.60	25.60	2,000/8,000	2,000/8,000
X5R 1210 5.6uF 16V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.25±0.15	1.55±0.15	10.0%	10.0%	17.90	17.90	2,500/10,000	2,000/8,000
X5R 1210 5.6uF 10V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.25±0.15	1.55±0.15	10.0%	10.0%	17.90	17.90	2,500/10,000	2,000/8,000
X5R 1210 5.6uF 6.3V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.25±0.15	1.55±0.15	10.0%	10.0%	17.90	17.90	2,500/10,000	2,000/8,000
X5R 1210 6.8uF 25V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.85±0.20	1.70±0.20	10.0%	10.0%	14.70	14.70	2,000/8,000	2,000/8,000
X5R 1210 6.8uF 16V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.85±0.20	1.70±0.20	10.0%	10.0%	14.70	14.70	2,000/8,000	2,000/8,000
X5R 1210 6.8uF 10V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.85±0.20	1.70±0.20	10.0%	10.0%	14.70	14.70	2,000/8,000	2,000/8,000
X5R 1210 6.8uF 6.3V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.85±0.20	1.70±0.20	10.0%	10.0%	14.70	14.70	2,000/8,000	2,000/8,000
X5R 1210 8.2uF 16V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	2.10±0.20	1.55±0.15	10.0%	10.0%	12.20	12.20	2,000/8,000	2,000/8,000
X5R 1210 8.2uF 10V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	2.10±0.20	1.55±0.15	10.0%	10.0%	12.20	12.20	2,000/8,000	2,000/8,000
X5R 1210 8.2uF 6.3V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	2.10±0.20	1.55±0.15	10.0%	10.0%	12.20	12.20	2,000/8,000	2,000/8,000
X5R 1210 12.0uF 10V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	0.95±0.10	1.40±0.15	10.0%	10.0%	8.30	8.30	4,000/15,000	2,000/8,000
X5R 1210 12.0uF 6.3V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	0.95±0.10	1.40±0.15	10.0%	10.0%	8.30	8.30	4,000/15,000	2,000/8,000
X5R 1210 15.0uF 10V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.10±0.10	1.70±0.20	10.0%	10.0%	6.70	6.70	2,500/10,000	2,000/8,000
X5R 1210 15.0uF 6.3V	3.20±0.20	3.20±0.30	2.50±0.20	2.50±0.22	1.10±0.10	1.70±0.20	10.0%	10.0%	6.70	6.70	2,500/10,000	2,000/8,000
Y5V 1206 6.8uF 10V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.70±0.20	1.60±0.20	10.0%	10.0%	7.40	14.70	2,000/8,000	2,000/8,000
Y5V 1206 6.8uF 6.3V	3.20±0.20	3.20±0.20	1.60±0.20	1.60±0.20	1.70±0.20	1.60±0.20	10.0%	10.0%	7.40	14.70	2,000/8,000	2,000/8,000

Form
 Fit
 Function

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

Effective Date	Implementation October 7 th ,2024
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 Francisco Pavon Product Manager – Commercial MLCCs Ceramic Product Business Unit KEMET Electronics Corporation Francisco.Pavon@yageo.com

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