

Reference: QOD-510

**Product/Process Change Notification**  
**PCN-042522-AGA**  
 Change in thickness and electrical limits.

<b>Affected Product Scope:</b>	<b>Grade:</b> Commercial			<b>ID Number (MMDDYY):</b> 042522				
	Diel	Case Size	Capacitance (Cap Code)	Voltages		End Term (C)	Tol	C-specs
	X7R	0805	1.0 $\mu$ F (105)	16V, 10V & 6.3V		100% Sn	J, K, M	7800, 7210 7025, 7215
	X5R	0805	1.0 $\mu$ F (105)	16V, 10V, 6.3V & 4V			K, M	7521, 7621, 7124
Y5V	0805	1.0 $\mu$ F (105)	16V, 10V & 6.3V		M, Z		<b>Suffix:</b> TU, TM	
See Affected part list below.								

**Change:** The following KEMET parts will change thickness dimension and/or some electrical limits impacting reeling quantities.

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 1uF 16V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	3.5%	5.0%	500	500	4000/15000	2500/10000
X7R 0805 1uF 10V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	5.0%	5.0%	500	500	4000/15000	2500/10000
X7R 0805 1uF 6.3V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	5.0%	5.0%	500	500	4000/15000	2500/10000
X5R 0805 1uF 16V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	10.0%	10.0%	100	100	4000/15000	2500/10000
X5R 0805 1uF 10V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	10.0%	10.0%	100	100	4000/15000	2500/10000
X5R 0805 1uF 6.3V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	10.0%	10.0%	100	100	4000/15000	2500/10000
X5R 0805 1uF 4V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	10.0%	10.0%	100	100	4000/15000	2500/10000
Y5V 0805 1uF 16V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	7.0%	7.0%	100	100	4000/15000	2500/10000
Y5V 0805 1uF 10V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	10.0%	10.0%	50	50	4000/15000	2500/10000
Y5V 0805 1uF 6.3V	2.0 $\pm$ 0.20	2.0 $\pm$ 0.20	1.25 $\pm$ 0.20	1.25 $\pm$ 0.20	0.9 $\pm$ 0.10	1.25 $\pm$ 0.20	10.0%	10.0%	50	50	4000/15000	2500/10000

<b>Effective Date</b>	Shipments beginning Aug 22 <sup>nd</sup> , 2022
<b>Notes</b>	This is a Commercial PCN for Notification only. Do not need written approval
<b>To Obtain Samples or General Information Contact</b>	Ana Garza Technical Product Engineer   Ceramic Product Business Unit KEMET Electronics Corporation <a href="mailto:Ana.Garza@yageo.com">Ana.Garza@yageo.com</a>  Rebecca Chadwick Product Manager – Commercial MLCCs   Ceramic Product Business Unit KEMET Electronics Corporation <a href="mailto:Rebecca.Chadwick@yageo.com">Rebecca.Chadwick@yageo.com</a>

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Affected part types:		
C0805C105J4RAC	C0805C105K8PAC7215	C0805C105M4RACTM
C0805C105J4RAC7025	C0805C105K8PAC76217800	C0805C105M4RACTU
C0805C105J4RAC7210	C0805C105K8PAC7800	C0805C105M4VAC
C0805C105J4RAC7215	C0805C105K8PACTM	C0805C105M4VAC7025
C0805C105J4RAC76217800	C0805C105K8PACTU	C0805C105M4VAC7210
C0805C105J4RAC7800	C0805C105K8RAC	C0805C105M4VAC7215
C0805C105J4RACTM	C0805C105K8RAC7025	C0805C105M4VAC76217800
C0805C105J4RACTU	C0805C105K8RAC7210	C0805C105M4VAC7800
C0805C105J8RAC	C0805C105K8RAC7215	C0805C105M4VACTM
C0805C105J8RAC7025	C0805C105K8RAC75217800	C0805C105M4VACTU
C0805C105J8RAC7210	C0805C105K8RAC76217800	C0805C105M8PAC
C0805C105J8RAC7215	C0805C105K8RAC7800	C0805C105M8PAC7025
C0805C105J8RAC76217800	C0805C105K8RACTM	C0805C105M8PAC7210
C0805C105J8RAC7800	C0805C105K8RACTU	C0805C105M8PAC7215
C0805C105J8RACTM	C0805C105K9PAC	C0805C105M8PAC7800
C0805C105J8RACTU	C0805C105K9PAC7025	C0805C105M8PACTM
C0805C105J9RAC	C0805C105K9PAC71247800	C0805C105M8PACTU
C0805C105J9RAC7025	C0805C105K9PAC7210	C0805C105M8RAC
C0805C105J9RAC7210	C0805C105K9PAC7215	C0805C105M8RAC7025
C0805C105J9RAC7215	C0805C105K9PAC7800	C0805C105M8RAC7210
C0805C105J9RAC7800	C0805C105K9PACTM	C0805C105M8RAC7215
C0805C105J9RACTM	C0805C105K9PACTU	C0805C105M8RAC7800
C0805C105J9RACTU	C0805C105K9RAC	C0805C105M8RACTM
C0805C105K4PAC	C0805C105K9RAC7025	C0805C105M8RACTU
C0805C105K4PAC7025	C0805C105K9RAC7210	C0805C105M8VAC
C0805C105K4PAC7210	C0805C105K9RAC7215	C0805C105M8VAC7025
C0805C105K4PAC7215	C0805C105K9RAC7800	C0805C105M8VAC7210
C0805C105K4PAC76217800	C0805C105K9RACTM	C0805C105M8VAC7215
C0805C105K4PAC7800	C0805C105K9RACTU	C0805C105M8VAC7800
C0805C105K4PACTM	C0805C105M4PAC	C0805C105M8VACTM
C0805C105K4PACTU	C0805C105M4PAC7025	C0805C105M8VACTU
C0805C105K4RAC	C0805C105M4PAC7210	C0805C105M9PAC
C0805C105K4RAC7025	C0805C105M4PAC7215	C0805C105M9PAC7025
C0805C105K4RAC7210	C0805C105M4PAC7800	C0805C105M9PAC7210
C0805C105K4RAC7215	C0805C105M4PACTM	C0805C105M9PAC7215
C0805C105K4RAC7800	C0805C105M4PACTU	C0805C105M9PAC7800
C0805C105K4RACTM	C0805C105M4RAC	C0805C105M9PACTM
C0805C105K4RACTU	C0805C105M4RAC7025	C0805C105M9PACTU
C0805C105K8PAC	C0805C105M4RAC7210	C0805C105M9RAC
C0805C105K8PAC7025	C0805C105M4RAC7215	C0805C105M9RAC7025
C0805C105K8PAC7210	C0805C105M4RAC7800	C0805C105M9RAC7210
C0805C105M9RAC7215	C0805C105Z4VAC76217800	C0805C105Z9VAC7800

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C0805C105M9RAC7800	C0805C105Z4VAC7800	C0805C105Z9VACTM
C0805C105M9RACTM	C0805C105Z4VACTM	C0805C105Z9VACTU
C0805C105M9RACTU	C0805C105Z4VACTU	C0805C105K7PAC
C0805C105M9VAC	C0805C105Z8VAC	C0805C105K7PACTU
C0805C105M9VAC7025	C0805C105Z8VAC7025	C0805C105K7PAC7210
C0805C105M9VAC7210	C0805C105Z8VAC7210	C0805C105K7PACTM
C0805C105M9VAC7215	C0805C105Z8VAC7215	C0805C105K7PAC7025
C0805C105M9VAC7800	C0805C105Z8VAC7800	C0805C105K7PAC7215
C0805C105M9VACTM	C0805C105Z8VACTM	C0805C105M7PAC
C0805C105M9VACTU	C0805C105Z8VACTU	C0805C105M7PACTU
C0805C105Z4VAC	C0805C105Z9VAC	C0805C105M7PAC7210
C0805C105Z4VAC7025	C0805C105Z9VAC7025	C0805C105M7PACTM
C0805C105Z4VAC7210	C0805C105Z9VAC7210	C0805C105M7PAC7025
C0805C105Z4VAC7215	C0805C105Z9VAC7215	C0805C105M7PAC7215

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