

Standardized Information for Process/Product Change Notification (PCN)

1. PCN basic data		
1.1 Company		YAGEO Group No. 16, West. 3rd St., Nanzi Dist., Kaohsiung (N.T.I.P.) 811626, Taiwan
1.2 PCN No.	EBR-26002	
1.3 Title of PCN	Material Change of CC / X7R / 0603 / 6.3V to 16V / 2.2uF, CC / X5R / 0603 / 6.3V to 25V / 2.2uF	
1.4 Product Category	MLCC CC X5R / X7R Series	
1.5 Issue date	23-Mar-26	

2. PCN Team		
2.1 Contact Supplier		
2.1.1 Name	Dennis Hung	
2.1.2 Phone	NA	
2.1.3 Email	dennis.hung@yageo.com	
2.2 Team supplier		
2.2.1 Name	2.2.2 Phone	2.2.3 Email
Joshua Chen	NA	joshua.chen@yageo.com
Alfonso Chao	NA	alfonso.chao@yageo.com
Rina Chuang	NA	Rina.chuang@yageo.com

3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	PAS-CER-MA-03	Change of material composition - Dielectric	Change from ceramic A to ceramic B
#2	PAS-CER-DE-05	Changes of inner construction - Layer Thickness	Ceramic layer thickness changes from 53/55um to 75um
#3	PAS-CER-DE-06	Changes of inner construction - Number of Layers	See Appendix

4. Description of Change		
	Old	New
Change #1	Ceramic A	Ceramic B
Change #2	Ceramic thickness : 53/55um	Ceramic thickness: 75um
Change #3		
4.1 Anticipated impact on form, fit, function, reliability or processability?		

5. Reason / motivation for change	
5.1 Motivation	For better productivity
5.2 Additional explanation	If you have no comment before Jun. 22. 2026, we will trust as you can accept this product change immediately.

6. Marking of parts / traceability of change	
6.1 Description	N/A

7. Timing / schedule		
7.1 Date of qualification results	23-Mar-26	
7.2 Last order date (optional)	22-Jun-26	
7.3 Last delivery date (optional)	22-Sep-26	
7.4 Intended start of delivery	19-Jun-26	
7.5 Qualification samples available?	Yes, available	
7.6 Customer feedback required until	22-Jun-26	

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8. Qualification / validation			
8.1 Description	IEC-60384		
8.2 Qualification report	avaliable (See attachment)	Issue date	23-Mar-26

9. Input to customer for risk assessment process

10. Attachments (e.g. new datasheet, additional documentation, qulification report, ...)

11. Affected parts				
11.1 Current			11.2 New (if applicable)	
YAGEO PNs	Part Name	Additional part information	YAGEO PNs	Part Name
CC0603KRX5R5BB225	X5R, 0603, 2.2uF, 6.3V, +/-10%			
CC0603KRX5R6BB225	X5R, 0603, 2.2uF, 10V, +/-10%			
CC0603KRX5R7BB225	X5R, 0603, 2.2uF, 16V, +/-10%			
CC0603KRX5R8BB225	X5R, 0603, 2.2uF, 25V, +/-10%			
CC0603MRX5R8BB225	X5R, 0603, 2.2uF, 25V, +/-20%			
CC0603KRX7R5BB225	X7R, 0603, 2.2uF, 6.3V, +/-10%			
CC0603KRX7R6BB225	X7R, 0603, 2.2uF, 10V, +/-10%			
CC0603KRX7R7BB225	X7R, 0603, 2.2uF, 16V, +/-10%			
CC0603MRX7R5BB225	X7R, 0603, 2.2uF, 6.3V, +/-20%			
CC0603MRX7R6BB225	X7R, 0603, 2.2uF, 10V, +/-20%			
CC0603MRX7R7BB225	X7R, 0603, 2.2uF, 16V, +/-20%			
CC0603KPX5R5BB225	X5R, 0603, 2.2uF, 6.3V, +/-10%			
CC0603KPX5R6BB225	X5R, 0603, 2.2uF, 10V, +/-10%			
CC0603KPX5R7BB225	X5R, 0603, 2.2uF, 16V, +/-10%			
CC0603MPX5R6BB225	X5R, 0603, 2.2uF, 10V, +/-20%			
CC0603MPX5R7BB225	X5R, 0603, 2.2uF, 16V, +/-20%			
CC0603KPX7R5BB225	X7R, 0603, 2.2uF, 6.3V, +/-10%			
CC0603KPX7R6BB225	X7R, 0603, 2.2uF, 10V, +/-10%			
CC0603KPX7R7BB225	X7R, 0603, 2.2uF, 16V, +/-10%			

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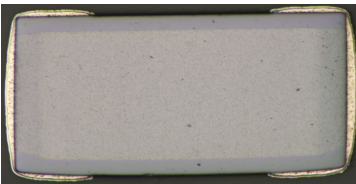
YPN
CC0603KRX5R8BB225

Original Design

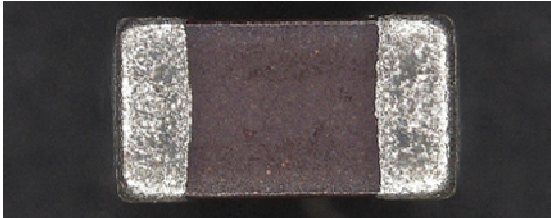
Appearance



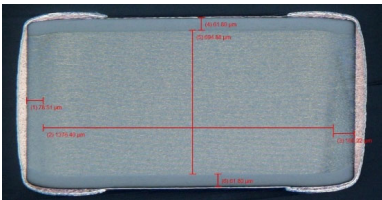
Construction
25-221-25



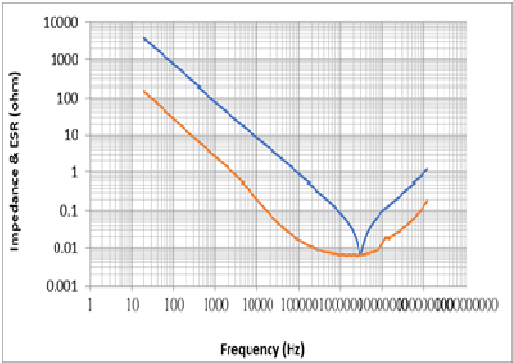
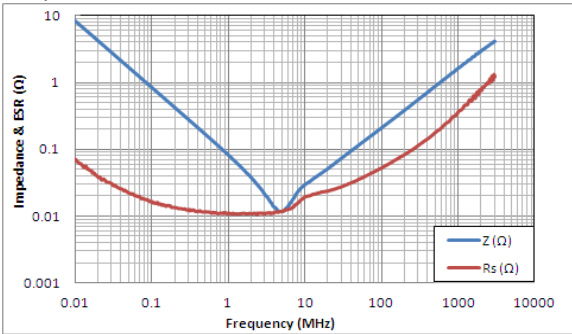
New Design



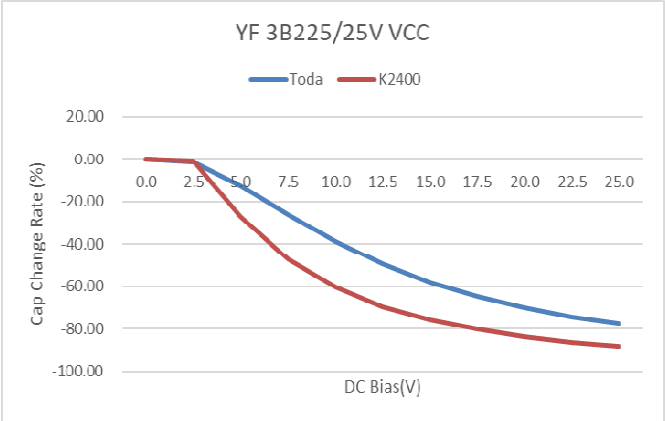
9-174-9



ESR/Z



VCC



Original
New

Electrical characteristic

Original

New

	Spec	Avg.	Max.	Min.	Avg.	Max.	Min.
Cap	2.2uF	2.23	2.512	2.283	2.19	2.371	2.152
D.F	10%	2.17	2.27	1.78	5.69	6.135	4.852
I.R.	22 M Ohm	640	834	572	629	855	410
BDV		300	353	179	319	358	296