

Resistors Product Change Notification

PCN Number	PCN-2026-RBU01 CR Series
PCN Title	PCN Announcement – PCN CR Series
PCN Date	16 th February 2026
Type of Change	☐ End of Life Notification ☐ Manufacturing Facility Change or Addition ☒ Datasheet Specification Change ☐ Other: ☐ Material Change ☐ Process Change ☐ Design Change
Manufacturing Location(s) Affected	TT Electronics Bedlington
Date of Change Implementation	16 th of February 2026

Products Affected	
TT Series	Datasheet Link
CR Series	https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheet/CR.pdf

Change Detail	
Description of Change	Company has recently reviewed internal production capabilities and as a result the TCR for any parts <10R to the CECC standard will be updated.
Reason for Change	Reviewed internal production capabilities.
Implementation Plan	A Last Time Buy for former specifications is not available.
Customer Impact	All the updated TCR are mentioned into amended datasheet available on TT Electronics website.
Recommendations	Please contact your local Sales / FAE team for assistance in selecting the best alternative product.
Availability of Previously Manufactured Product	N/A
Availability of Approval Samples	N/A
Sales Contacts	Americas: Shannon Rosene shannon.rosene@ttelectronics.com Europe: Simon Webb simon.webb@ttelectronics.com Asia: Praveen Kumar Praveen.Kumar@ttelectronics.com

Approvals			
	Name	Title	Date
Issued by	Mario Garsi	Product Line Manager	12 th February 2026
Approved by	Adam Royles	Product Line Director	12 th February 2026
Approved by	Klaus Zwerschina	VP Sales	12 th February 2026

Appendix 1

Data sheet former release:

CR Actual Data		CR0503	CR0603	CR0805	CR1005	CR1206	CR2010	CR2512
Power rating at 70°C	W	0.063	0.1	0.125	0.25	0.5	1	
Resistance range	Ω	1R0 – 10M		1R0 – 100M		1R0 – 1M0		
Limiting element voltage	V	50	75	150	200	400	500	
TCR -55 to +155°C	ppm/°C	<10R: 200, 10R-1M0: 100, >1M0:250						
Resistance tolerance ¹	%	0.1, 0.25, 0.5, 1, 2, 5						
Ambient temperature range	°C	-55 to +155						
Values ²		E24 & E96 preferred						
Thermal impedance	°C/W	800	550	360	290	200	80	70
Zero-ohm rating	A	-	1	1.5	-	2	3	
Zero-ohm residual resistance	mΩ	-	<20		-	<20		

Note 1: See table of value ranges. Note 2: Non-standard values may be requested. Note 3: Anti-sulphur versions available – consult factory.

The requirements of the following standards are met or exceeded by the corresponding CR products above.

EN140401-802 Requirements		RR2012M	RR3216M
Required power rating at 70°C	W	0.125	0.25
Qualified resistance range	Ω	1R5 – 10M	1R5 – 10M
Required limiting element voltage	V	150	200
Required TCR -55 to +125°C	ppm/°C	<10R: 200, 10R-1M0: 100, >1M0:200	
Required resistance tolerance	%	<10R: 5, 10R-1M0: 1, 2, 5, >1M0: 5	
Required ambient temperature range	°C	-55 to +125	-55 to +125
IECQ-CECC 40401-004 Requirements		CR0805	CR1206
Required power rating at 70°C	W	0.125	0.25
Qualified resistance range	Ω	1R0 – 10M	1R0 – 10M
Required limiting element voltage	V	100	200
Required TCR -55 to +125°C	ppm/°C	<10R: 200, 10R-1M0: 100, >1M0:200	
Required resistance tolerance	%	1, 2, 5	1, 2, 5
Required ambient temperature range	°C	-55 to +125	-55 to +125
IECQ-CECC 40401-008 Requirements		CR0805	CR1206
Required power rating at 70°C	W	0.125	0.25
Qualified resistance range	Ω	1R0 – 10M	1R0 – 10M
Required limiting element voltage	V	100	200
Required TCR -55 to +155°C	ppm/°C	<10R: 200, 10R-1M0: 100, >1M0:250	
Required resistance tolerance	%	0.1, 0.25, 0.5, 1, 2, 5	
Required ambient temperature range	°C	-55 to +155	-55 to +155
IECQ-CECC 40401-003 Requirements		CR0805	CR1206
Required power rating at 70°C	W	0.063	0.125
Qualified resistance range	Ω	1R0 – 3M0	1R0 – 5M0
Required limiting element voltage	V	100	200
Required TCR -55 to +125°C	ppm/°C	<5R0: 500, 5R0-10R: 350, 10R-3M0: 100, >3M0:250	
Required resistance tolerance	%	0.5, 1, 2, 5	0.5, 1, 2, 5
Required ambient temperature range	°C	-55 to +125	-55 to +125

Data sheet updated release (the updated part are marked with a blue arrow) :

CR Actual Data		CR0503	CR0603	CR0805	CR1005	CR1206	CR2010	CR2512
Power rating at 70°C	W	0.063	0.1	0.125	0.25	0.5	1	
Resistance range	Ω	1R0 – 10M		1R0 – 100M		1R0 – 1M0		
Limiting element voltage	V	50	75	150	200	400	500	
TCR -55 to +155°C	ppm/°C	 <10R: 400, 10R-1M0: 100, >1M0:250						
Resistance tolerance ¹	%	0.1, 0.25, 0.5, 1, 2, 5						
Ambient temperature range	°C	-55 to +155						
Values ²		E24 & E96 preferred						
Thermal impedance	°C/W	800	550	360	290	200	80	70
Zero-ohm rating	A	-	1	1.5	-	2	3	
Zero-ohm residual resistance	mΩ	-	<20		-	<20		

Note 1: See table of value ranges. Note 2: Non-standard values may be requested. Note 3: Anti-sulphur versions available – consult factory.

The requirements of the following standards are met or exceeded by the corresponding CR products above.

EN140401-802 Requirements			RR2012M		RR3216M	
Required power rating at 70°C	W		0.125		0.25	
Qualified resistance range	Ω		10R – 10M		10R – 10M	
Required limiting element voltage	V		150		200	
Required TCR -55 to +125°C	ppm/°C		10R-1M0: 100, >1M0:200			
Required resistance tolerance	%		10R-1M0: 1, 2, 5, >1M0: 5			
Required ambient temperature range	°C		-55 to +125		-55 to +125	
IECQ-CECC 40401-004 Requirements			CR0805		CR1206	
Required power rating at 70°C	W		0.125		0.25	
Qualified resistance range	Ω		10R – 10M		10R – 10M	
Required limiting element voltage	V		100		200	
Required TCR -55 to +125°C	ppm/°C		10R-1M0: 100, >1M0:200			
Required resistance tolerance	%		1, 2, 5		1, 2, 5	
Required ambient temperature range	°C		-55 to +125		-55 to +125	
IECQ-CECC 40401-008 Requirements			CR0805		CR1206	
Required power rating at 70°C	W		0.125		0.25	
Qualified resistance range	Ω		10R – 10M		10R – 10M	
Required limiting element voltage	V		100		200	
Required TCR -55 to +155°C	ppm/°C		10R-1M0: 100, >1M0:250			
Required resistance tolerance	%		0.1, 0.25, 0.5, 1, 2, 5			
Required ambient temperature range	°C		-55 to +155		-55 to +155	
IECQ-CECC 40401-003 Requirements		 	CR0805		CR1206	
Required power rating at 70°C	W		0.063		0.125	
Qualified resistance range	Ω		10R – 3M0		10R – 5M0	
Required limiting element voltage	V		100		200	
Required TCR -55 to +125°C	ppm/°C		10R-3M0: 100, >3M0:250			
Required resistance tolerance	%		0.5, 1, 2, 5		0.5, 1, 2, 5	
Required ambient temperature range	°C		-55 to +125		-55 to +125	