Resistors Product Change Notification

PCN Number	PCN-2023-RBU07
PCN Title	**Datasheet Update – RC55 Series**
PCN Date	25th April 2023
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	**25th April 2023**

Products Affected	
TT Series	**Datasheet Link**
RC Series	https://maxmega.com/wp-content/uploads/news/RC.pdf

Change Detail	
Description of Change	Update to the RC Series Datasheet to reflect changes to the lower resistance value & tolerance limits applying to the RC55 size only. There will be no change to the product form, fit or function and this PCN is for notification only. See Appendix 1 for details.
Reason for Change	To ensure the datasheet is in line with current manufacturing process capability.
Implementation Plan	With immediate effect
Customer Impact	Product form, fit or function is unchanged. The RC55 lower resistance value is restricted to 10ohms for 0.1% and 0.25% tolerances only.
Recommendations	Please contact your local Sales / FAE team for assistance if required.
Availability of Previously Manufactured Product	N/A
Availability of Approval Samples	N/A

Sales Contacts	Maxsales@maxmega.com

Approvals			
	Name	**Title**	**Date**
Issued by	Mark Beeston	Product Line Manager	25th April 2023
Approved by	Heather Baird	VP Product Management	25th April 2023
Approved by	Klaus Zwerschina	VP Sales	25th April 2023

Appendix 1

Before

Version

Table of Resistance Restrictions

TCR ppm/°C	Tolerance %								
	RC55			RC65			RC70		
	0.05	0.1 - 0.25	0.5 [3] – 1 [3]	0.05	0.1 - 0.25	0.5 [3] – 1 [3]	0.05	0.1 - 0.25	0.5 [3] – 1 [3]
5 [1]	10R to 500K		1R0 to 500K	10R to 500K		1R0 to 500K	10R to 750K		
10	10R to 1M0	10R to 1M0	1R0 to 1M0	10R to 1M0	10R to 1M0	1R0 to 1M0	10R to 1M0	10R to 1M0	1R0 to 1M0
15		2R49 to 1M0			5R0 to 1M0			10R to 2M0	1R0 to 2M0
25		2R49 to 2M0	1R0 to 2M0		5R0 to 2M0	1R0 to 2M0		10R to 5M0	1R0 to 5M0
50 [2]			1R0 to 4M0			1R0 to 4M0		5R0 to 10M	1R0 to 10M
100 [2]		1R0 to 2M0			1R0 to 2M0			1R0 to 10M	

Note 1: Based on sampling. 100% screened product is available.
Note 2: For maximum availability, where the ohmic value permits, 25ppm/°C is preferred to 50 or 100ppm/°C.
Note 3: For maximum availability, where the ohmic value permits, 0.25% is preferred to 0.5 or 1%.

After Version

RC Series

Table of Resistance Restrictions

TCR ppm/°C	Tolerance %						
	RC55			RC65			
	0.05	0.1 - 0.25	0.5 [3] – 1 [3]	0.05	0.1 - 0.25	0.5 [3] – 1 [3]	
5 [1]	10R to 500K		1R0 to 500K	10R to 500K		1R0 to 500K	
10	10R to 1M0	10R to 1M0	1R0 to 1M0	10R to 1M0	10R to 1M0	1R0 to 1M0	
15					5R0 to 1M0		
25		10R to 2M0	1R0 to 2M0		5R0 to 2M0	1R0 to 2M0	
50 [2]			1R0 to 4M0			1R0 to 4M0	
100 [2]					1R0 to 2M0		

Note 1: Based on sampling. 100% screened product is available.
Note 2: For maximum availability, where the ohmic value permits, 25ppm/°C is preferred to 50 or 100ppm/
Note 3: For maximum availability, where the ohmic value permits, 0.25% is preferred to 0.5 or 1%.

List of P/Ns affected

RC55C-3R0CI	RC55PD-4R0CI	RC55Y-2R7BI	RC55Y-5R6BI
RC55D-4R3CI	RC55PD-5R1BI	RC55Y-3R3BI	RC55Y-6R65BI
RC55D-4R87BI	RC55PD-8R0BI	RC55Y-3R92BI	RC55Y-6R8BI
RC55D-4R87CI	RC55PD-8R0CI	RC55Y-3R9BI	RC55Y-8R2BI
RC55D-5R6BI	RC55V-5R1BI	RC55Y-4R7BI	
RC55PC-5R1BI	RC55V-5R1CI	RC55Y-5R0BI	
RC55PD-2R0CI	RC55Y-2R49BI	RC55Y-5R11BI	