

## **Listing of PCNs**

### **Introduction**

This file contains PCN information for the product(s) referenced by the file name.

Note that the file may contain multiple PCNs. If this is the case, they are arranged in chronological order, so to see the most recent PCN scroll to the end.

# Resistors Product Change Notification

<b>PCN Number</b>	PCN-2023-RBU07
<b>PCN Title</b>	<b>Datasheet Update – RC55 Series</b> (Note - Also covering RC55P)
<b>PCN Date</b>	25 <sup>th</sup> April 2023
<b>Type of Change</b>	<input type="checkbox"/> End of Life Notification <input type="checkbox"/> Manufacturing Facility Change or Addition <input checked="" type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <span style="float: right;"> <input checked="" type="checkbox"/> Material Change  <input type="checkbox"/> Process Change  <input checked="" type="checkbox"/> Design Change                 </span>
<b>Manufacturing Location(s) Affected</b>	TT Electronics Bedlington
<b>Date of Change Implementation</b>	25 <sup>th</sup> April 2023

Products Affected	
TT Series	Datasheet Link
RC Series	<a href="https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/RC.pdf">https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Datasheets/RC.pdf</a>

Change Detail	
<b>Description of Change</b>	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.
<b>Reason for Change</b>	To ensure the datasheet is in line with current manufacturing process capability.
<b>Implementation Plan</b>	With immediate effect
<b>Customer Impact</b>	Product form, fit or function is unchanged. The RC55 lower resistance value is restricted to 10ohms for 0.1% and 0.25% tolerances only.
<b>Recommendations</b>	Please contact your local Sales / FAE team for assistance if required.
<b>Availability of Previously Manufactured Product</b>	N/A
<b>Availability of Approval Samples</b>	N/A
<b>Sales Contacts</b>	Americas: Kevin Marzano <a href="mailto:kevin.marzano@ttelectronics.com">kevin.marzano@ttelectronics.com</a> Europe: Claudia Patzak-Kruger <a href="mailto:Claudia.patzak@ttelectronics.com">Claudia.patzak@ttelectronics.com</a> Asia: Janson Chuen <a href="mailto:janson.chuen@ttelectronics.com">janson.chuen@ttelectronics.com</a>

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 <sup>±</sup> - 1 <sup>±</sup>	0.05	0.1 - 0.25	0.5 <sup>±</sup> - 1 <sup>±</sup>	0.05	0.1 - 0.25	0.5 <sup>±</sup> - 1 <sup>±</sup>
5 <sup>±</sup>	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			1R0 to 2M0	1R0 to 2M0
25		2R49 to 2M0	1R0 to 2M0		5R0 to 2M0	1R0 to 5M0		1R0 to 5M0	
50 <sup>±</sup>		1R0 to 2M0	1R0 to 4M0		1R0 to 2M0	5R0 to 10M		1R0 to 10M	
100 <sup>±</sup>		1R0 to 2M0	1R0 to 4M0		1R0 to 2M0	1R0 to 10M		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 <sup>±</sup> - 1 <sup>±</sup>	0.05	0.1 - 0.25	0.5 <sup>±</sup> - 1 <sup>±</sup>
5 <sup>±</sup>	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		10R to 1M0			5R0 to 1M0	
25		10R to 2M0	1R0 to 4M0		1R0 to 2M0	1R0 to 4M0
50 <sup>±</sup>		10R to 2M0	1R0 to 4M0		1R0 to 2M0	1R0 to 4M0
100 <sup>±</sup>		10R to 2M0	1R0 to 4M0		1R0 to 2M0	1R0 to 4M0

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%.

**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	