TT Electronics

SENSORS AND SPECIALIST COMPONENTS

Resistors Product Change Notification

PCN Number	PCN-2022-RBU18
PCN Title	**Datasheet Update – LR Series**
PCN Date	11th October 2022
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	**11th October 2022**

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

Change Detail	
Description of Change	Update to the LR Series Datasheet to reflect changes to the TCR parameters with respect to value breaks. There will be no change to the product form, fit or function and this PCN is for notification only. See Appendix 1.
Reason for Change	To ensure datasheet is in line with true TCR parameters.
Implementation Plan	With immediate effect
Customer Impact	Product form, fit or function is unchanged.
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	11th October 2022
Approved by	Heather Baird	VP Product Management	11th October 2022
Approved by	Klaus Zwerschina	Global Sales Director	11th October 2022

Appendix 1

Before Version

Electrical Data

		LR(F)1206	LR(F)2010	LR(F)2512
Power rating @70°C	watts	0.5	1	2
Resistance range[1]	ohms	R003 to 1R0		
Resistance tolerance[1]	%	<R01: 5, ≥R01: 1, 2, 5		
TCR	ppm/°C	≥R05: ±100, R025–R047: <+200, R015-R024: <+300, R01-R014: <+500, <R01: <+900		
Dielectric withstand	volts	200		
Ambient temperature range	°C	-55 to +150		
Values		E24 preferred[2]		
Temperature rise at rated power	°C	40	80	90
Pad / trace area[3]	mm²	30	100	300

Note 1: Contact factory for value – tolerance combinations outside this range. Note 2: Many values = N x R001 and N x R005 up to N=10 are also available. Note 3: Recommended minimum pad & adjacent trace area for each termination for rated dissipation on FR4 PCB

After Version

Electrical Data

		LR(F)1206	LR(F)2010	LR(F)2512
Power rating @70°C	watts	0.5	1	2
Resistance range[1]	ohms	R003 to 1R0		
Resistance tolerance[1]	%	<R01: 5, ≥R01: 1, 2, 5		
TCR	ppm/°C	≥R05: ±100, R025–R047: <+500, <R025: <+900		
Dielectric withstand	volts	200		
Ambient temperature range	°C	-55 to +150		
Values		E24 preferred[2]		
Temperature rise at rated power	°C	40	80	90
Pad / trace area[3]	mm²	30	100	300

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