



## Schedule of Scope to Certificate of Conformity Automotive Qualification Programme

IECQ Certificate No.: IECQ-C ULTW 21.0001

CB Certificate No.: 50600427 AQP

Schedule Number: IECQ-C ULTW 21.0001-S    Rev No.: 2    Revision Date: 2024/10/15    Page 1 of 4

### Approval Scope

Table 1 Resistance Range & Electrical Characteristics

Type	T.C.R (PPM/°C)	Max. Working Current	Max. Over-load Current	Operating Temperature (Temp. Range) (°C)		Insulation Resistance	Resistance Range(Ω)		
				Min.	Max.		F (±1%)	G (±2%)	J (±5%)
RLP25	±50	(P/R) <sup>1/2</sup>	5 X rated power for 5 sec	-55	170	over 100MΩ	1mΩ~100mΩ	1mΩ~100mΩ	1mΩ~100mΩ

Table 2 Part Number

<u>RLP25</u> Item Series No.	<u>F</u> Resistance tolerance	<u>E</u> Packaging	<u>C</u> Power Rating	<u>R010</u> Resistance	
25->2512	F=±1% G=±2% J=±5%	E= Embossed	C=1W D=1.5W E=2W G=3W	e.g.: R010=10mΩ R100=100mΩ	
<u>RLP25</u> Item Series No.	<u>F</u> Resistance tolerance	<u>E</u> Packaging	<u>C</u> Power Rating	<u>M</u> Metal	<u>R010</u> Resistance
25->2512	F=±1% G=±2% J=±5%	E= Embossed	C=1W D=1.5W E=2W G=3W	M=Metal	e.g: R010=10mΩ R070=70mΩ

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DQS-Group - DQS Taiwan Inc., Feng Yuan Dist., Taichung City, Taiwan





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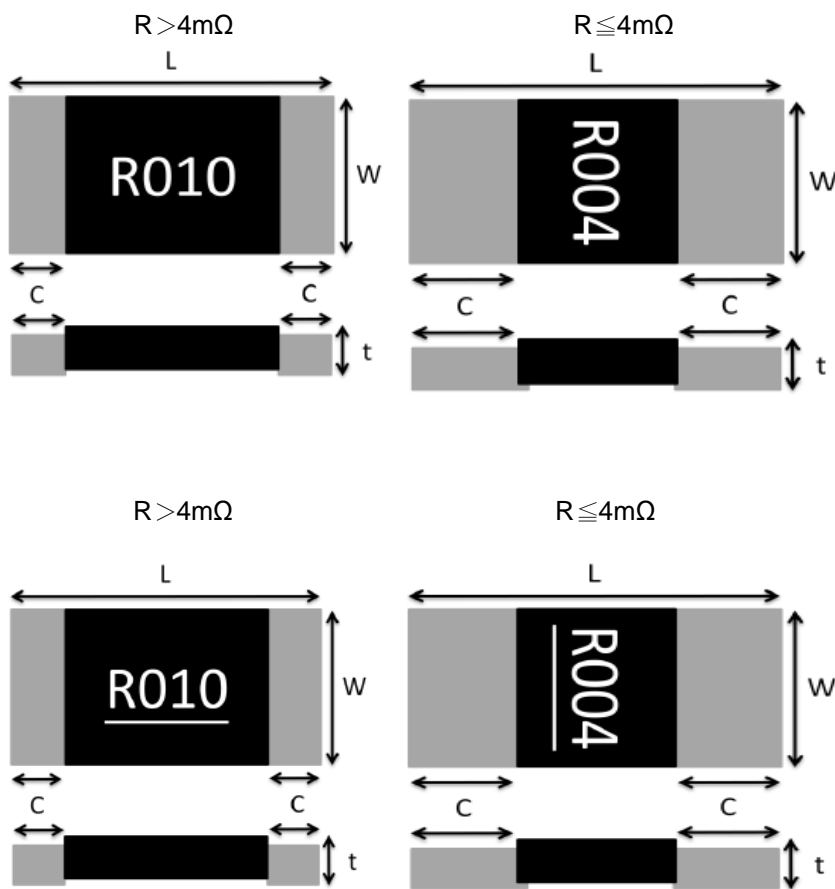
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### 1.1 Outline Drawing and Dimension

Table 3 Outline Drawing and Dimension



Dimension :

unit:mm

Series	L	W	C	T
RLP25	6.4±0.2	3.2±0.2	2.2 ± 0.2(R≤4mΩ)	0.9 ± 0.2
			0.9 ± 0.2(R>4mΩ)	

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### 1.2 Related Documents

IECQ 03-1, Rule of Procedure – Part 1: General Requirements for all IECQ Schemes

IECQ 03-3, Rule of Procedure – Part 3: IECQ Approved Component Products, Related Materials & Assemblies Scheme

IECQ 03-3-2: Rule of Procedure – Part 3-2: IECQ Approved Component Products, Related Materials & Assemblies Scheme, IECQ Approved Component – Automotive Qualification Program (IECQ AC-AQP)

AEC-Q200 REV D, Stress Test Qualification for Passive Components

AEC-Q200-004-001A Resistance Measurement Method

AEC-Q200-004A, Resistance Measurement Method

AEC-Q200-002B, Human Body Model Electrostatic Discharge Test

AEC-Q200-005A, Board Flex Test

AEC-Q200-006A, Terminal Strength (SMD)/Shear Stress Test

JEDEC JESD22-A104D, Temperature Cycling

JEDEC JEP 140, Beaded Thermocouple Temperature Measurement of Semiconductor Package

JEDEC JEP 153A, Characterization and Monitoring Thermal Stress Test Oven Temperatures

MIL-STD-883K, Method 2009 Test methods standard microcircuits

JEDEC JESD22-B100B, Physical Dimensions

MIL-STD-202H, Test Method Standard, Electronic and Electrical Component Part

EIA/IPC/JEDEC J-STD-002D, Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires

ASTM-B-809-95(2013): Standard Test Method for Porosity in Metallic Coatings by Humid Sulfur Vapor ("Flowers-of-Sulfur")

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# IEC QUALITY ASSESSMENT SYSTEM (IECQ)

For rules and details of the IECQ visit [www.iecq.org](http://www.iecq.org)

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EIA-977, Test Method – Electronic Passive Components Exposure to Atmospheric Sulfur

IEC 60115-1 Edition 4.0: Fixed Resistors for Use in Electronic Equipment-Part 1: Generic Specification

UL-94 : Flammability.

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