



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.: 1 Revision Date: 2021/12/14 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) ^{1/2}	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

This schedule is only valid in conjunction with the referenced Certificate of Approval
 This approval and any schedule(s) may only be reproduced in full.
 This approval is not transferable and remains the property of the issuing body.
 The Status and authenticity of this approval and any schedule(s) may be verified by visiting the
 Official IECQ Website. www.iecq.org





Schedule of Scope to Certificate of Conformity Automotive Qualification Programme

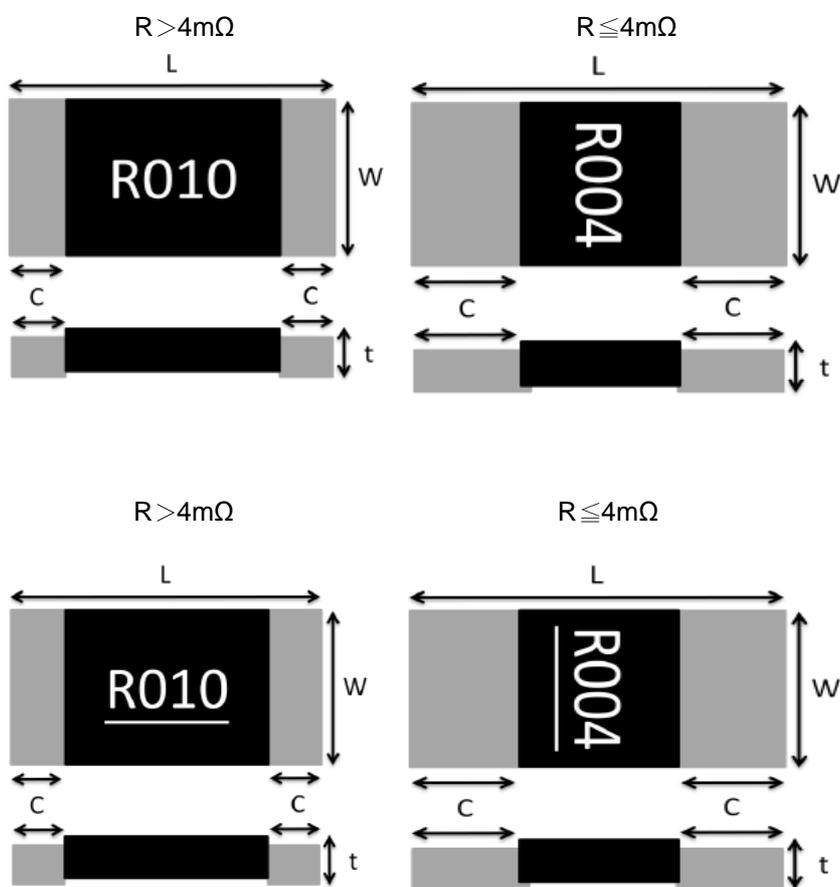
IECQ Certificate No.: IECQ-C ULTW 21.0001

CB Certificate No.: 50600427 AQP

Schedule Number: IECQ-C ULTW 21.0001-S Rev No.: 1 Revision Date: 2021/12/14 Page 2 of 4

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)	

This schedule is only valid in conjunction with the referenced Certificate of Approval
 This approval and any schedule(s) may only be reproduced in full.
 This approval is not transferable and remains the property of the issuing body.
 The Status and authenticity of this approval and any schedule(s) may be verified by visiting the
 Official IECQ Website. www.iecq.org

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





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.: 1 Revision Date: 2021/12/14 Page 3 of 4

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”)

This schedule is only valid in conjunction with the referenced Certificate of Approval
This approval and any schedule(s) may only be reproduced in full.
This approval is not transferable and remains the property of the issuing body.
The Status and authenticity of this approval and any schedule(s) may be verified by visiting the
Official IECQ Website. www.iecq.org

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





IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

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.: 1 Revision Date: 2021/12/14 Page 4 of 4

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.

This schedule is only valid in conjunction with the referenced Certificate of Approval
This approval and any schedule(s) may only be reproduced in full.
This approval is not transferable and remains the property of the issuing body.
The Status and authenticity of this approval and any schedule(s) may be verified by visiting the
Official IECQ Website. www.iecq.org

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

