Schedule of Scope to Certificate of Conformity

Approved Component

IECQ Certificate No.: IECQ-C ULTW 20.0002

CB Certificate No.: 50600371 AQP

Approval Scope

Table 1 Resistance Range & Electrical Characteristics

Type	T.C.R (PPM/℃)	Max. Working Voltage	Max. Over-load Voltage	Operating Temperature (Temp. Range) (℃)		Insulation Resistance	Power Rating at 70℃	Resistance Range(Ω)		
				Min.	Max.			F (±1%)	G (±2%)	J (±5%)
RLS04	±100	$(P*R)^{1/2}$	5 X rated power for 5 sec	-55	125	over 100MΩ	0.25W	10mΩ~20mΩ	10mΩ~20mΩ	10mΩ~20mΩ
RLS06	±50	$(P*R)^{1/2}$	5 X rated power for 5 sec	-55	155	over 100MΩ	0.5W	5mΩ~20mΩ	5mΩ~20mΩ	5mΩ~20mΩ
RLS10	±50	$(P*R)^{1/2}$	5 X rated power for 5 sec	-55	155	over 100MΩ	0.75W	5mΩ~30mΩ	5mΩ~30mΩ	5mΩ~30mΩ
RLS12	±50	$(P*R)^{1/2}$	5 X rated power for 5 sec	-55	155	over 100MΩ	1W	5mΩ~40mΩ	5mΩ~40mΩ	5mΩ~40mΩ

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Table 2 Part Number

RLS04	F	T	K	R010
Series No.	**Resistance tolerance**	**Packaging**	**Power Rating**	**Resistance**
04→0402 06→0603 10→0805	F=±1% G= ±2% J=±5%	T=Paper E= Embossed	P=0.0625W K=0.2W A=0.25W S=0.5W I =0.75W C=1W	e.g.: R005=5mΩ R0065=6.5mΩ R010=10mΩ

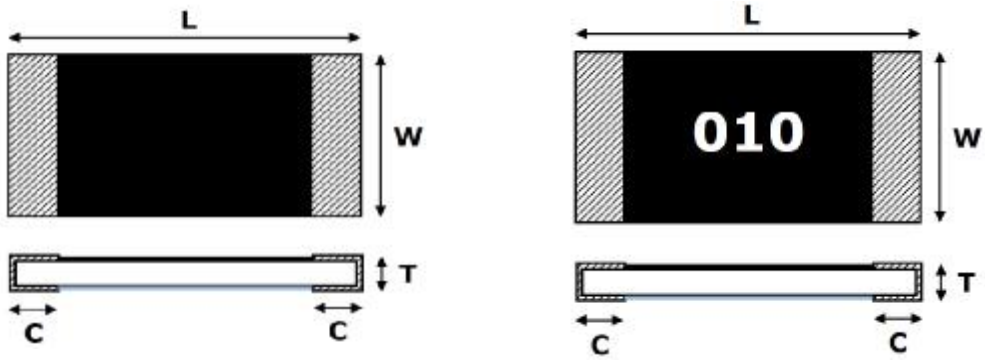
1.1 Outline Drawing and Dimension

The outline drawing and dimension is listed as Table 3.

Table 3 Outline Drawing and Dimension

Outline Drawing :

RLS04 / RLS06 **RLS10 / RLS12**



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Dimension :

unit:mm

Series	L	W	C	T
RLS04	1.10±0.10	0.55±0.10	0.30 ± 0.10	0.45 ± 0.10
RLS06	1.60±0.20	0.80±0.20	0.40 ± 0.20	0.60 ± 0.20
RLS10	2.00±0.20	1.25±0.20	0.40 ± 0.30	0.70 ± 0.20
RLS12	3.20±0.20	1.60±0.20	0.50 ± 0.30	0.70 ± 0.20

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

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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”)

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.