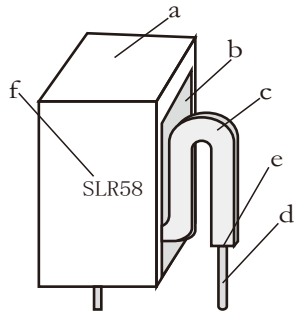


● Features

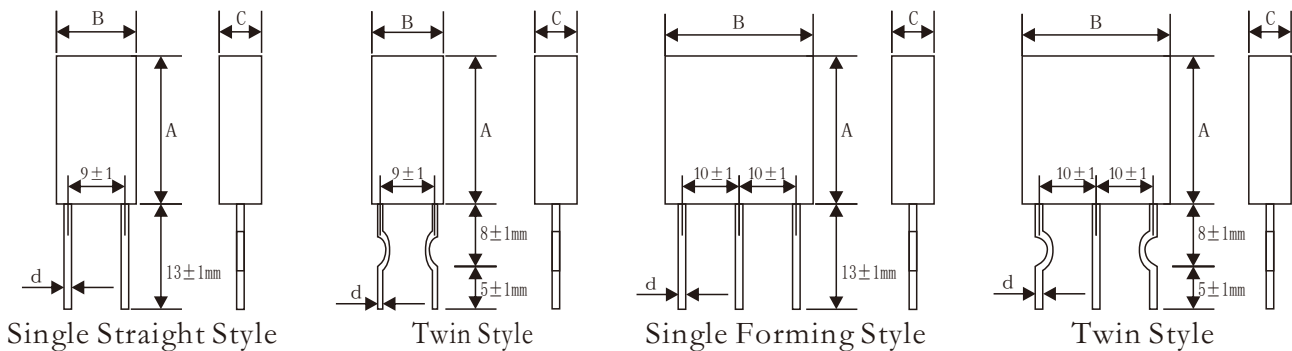
- I Power type current detecting resistors.
- II Flame retardant resistors in Ceramic Case.
- III Automatic insertion for a 5mm pitch between terminals is applicable.
- IV Low inductance.
- V Space saving.
- VI Products meet EU-RoHS requirements.

● Construction



a	Ceramic case
b	Cement
c	Resistive element
d	Lead wire
e	Welding
f	Marking

● Dimensions



Type	Style	Dimensions(mm)				Weight(g) (1000pcs)
		A	B	C	Φd	
SLR	18	10 ± 1.0	10 ± 1.0	5 ± 0.5	0.8 ± 0.05	1250
	26, 28	8.0 ± 1.0	13 ± 1.0	5 ± 0.5	0.8 ± 0.05	1250
	36, 38	13 ± 1.0	13 ± 1.0	5 ± 0.5	0.8 ± 0.05	2350
	56, 58	18 ± 1.0	14 ± 1.0	5 ± 0.5	0.8 ± 0.05	3400
	108	18 ± 1.0	26 ± 1.0	5 ± 0.5	0.8 ± 0.05	5900
	22	9.0 ± 1.0	26 ± 1.0	5 ± 0.5	0.8 ± 0.05	3000
	33	13 ± 1.0	26 ± 1.0	5 ± 0.5	0.8 ± 0.05	5000
	55	18 ± 1.0	26 ± 1.0	5 ± 0.5	0.8 ± 0.05	6000
	77	18 ± 1.0	26 ± 1.0	5 ± 0.5	0.8 ± 0.05	6000

● Reference Standards

JISC 5201-1

Ordering Information

Example:

SLR (1) Series Name	5 (2) Power Rating	F (3) Resistance Tolerance	R10 (4) Resistance	8 (5) Lead wire Diameter	CP (6) Lead wire
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(1)Type: SLR SERIES

(2)Power Rating: 2=2W、3=3W、5=5W、10=10W、55=5W+5W、77=7W+7W

(3)Tolerance: F=±1%、G=±2%、J=±5%、K=±10%

(4)Resistance Value:Ex=※1、R10=0.1Ω、47L=47mΩ

(5)Lead wire diameter: 6=Φ0.6mm、8=Φ0.8mm

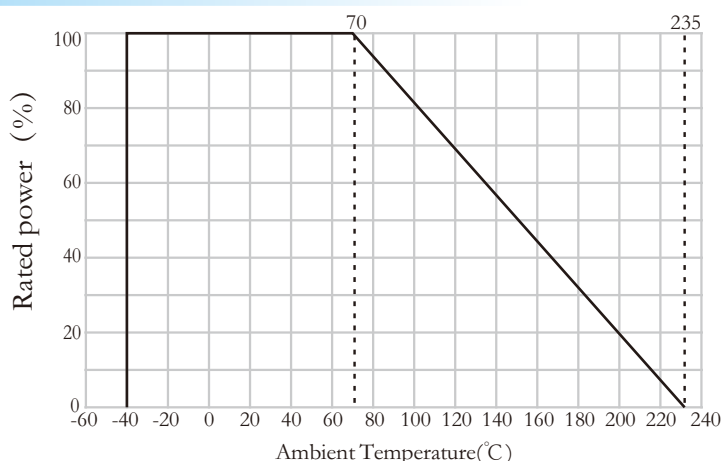
(6)Lead wire: C=SnCu、CP=Cp wire

※1	Resistance Value(Ω)	3 Digits	Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS. For further information on radial taping, please refer to APPENDIX C on the back page.
	10m~82m	10L~82L	
	0.1~0.82	R10~R82	
	1	1R0	

Applications And Ratings

Type	Style	Rated power(W)	Resistance Range(Ω)	Tolerance	Dielectric Withstanding Voltage	TCR	Pack(pcs)	
							Straight	Forming
SLR	18	1	0.01~5Ω	F±1% G±2% J±5% K±10%	500V	±350ppm/°C	1000	---
	26	2	0.01~50Ω					
	28	2	0.01~50Ω					
	36	3	0.01~100Ω				1000	1000
	38	3	0.01~100Ω					
	56	5	0.01~200Ω					
	58	5	0.01~200Ω				---	
	108	10	0.01~1KΩ					
	22	2+2	0.01~50Ω					
	33	3+3	0.01~100Ω					
	55	5+5	0.01~200Ω					
77	7+7	0.01~500Ω						

Derating Curve



For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

● Performance

Test Items	Performance Requirements	Test Methods(JIS C 5201-1)
Resistance	Within specified tolerance	Measuring points are 1.6mm from the endcap
T.C.R.	Within specified T.C.R.	Room temperature +100°C
Stort time overload	$\pm (2\%R + 0.05\Omega)$	6.25 times the rated power for 5seconds
Load life	$\pm (5\%R + 0.1\Omega)$	Rated voltage at 70°C for 1,000hours 1.5hr ON/0.5hr OFF Cycles
Load life in humidity	$\pm (5\%R + 0.1\Omega)$	Rated voltage at 40°C, 95%RH for 1,000hours
Moisture resistance	$\pm (2\%R + 0.05\Omega)$	40°C , 95%RH for 240 hours
Temperature cycle	$\pm (1\%R + 0.05\Omega)$	5cycles for -25°C (30min); room temp.(30min) ~ +85°C (30min) room temp.(30min)
Resistance to soldering heat	$\pm (2\%R + 0.05\Omega)$	260°C +5°C for 10 seconds 350°C +10°C for 3.5 seconds
Insulation resistance	>10M Ω	500V insulation test 1 min

● Precautions for Use

- In the resistance values of 50m Ω or under, the resistance value after soldering may change depending on the size of pad pattern or solder amount. Make sure the effect of decline, increase of resistance value before designing.
- Recommendation condition of a solderability.
Peak temperature: 260°C \pm 5°C Peak time: 5~10s