

Surge Current Chip Resistor

Hokuriku Electric Industry Co.,Ltd

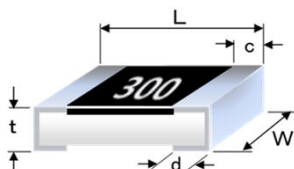


[Model No.]
SCR**
[Features]

- Excellent Surge Durability
One Pulse Limit Characteristics is 2-times higher than normal type.
- Compared to normal type, rated power is higher.
- Resistance tolerance of ±0.5% is available.
- Reflow, Flow solderings are applicable.



[Dimensions]



(Unit: mm)

Model No.	L	W	t	c	d
SCR16	1.60±0.15	0.80+0.20/-0.10	0.50+0.15/-0.05	0.25±0.20	0.25±0.20
SCR20	2.00+0.20/-0.10	1.25+0.20/-0.10	0.50+0.15/-0.05	0.40±0.20	0.40±0.20
SCR32	3.20+0.10/-0.15	1.60+0.10/-0.15	0.55+0.15/-0.05	0.50±0.20	0.50±0.20
SCR35	3.20+0.10/-0.15	2.60+0.10/-0.15	0.55+0.15/-0.05	0.50±0.20	0.50±0.20
SCR50	5.00±0.15	2.50±0.15	0.56±0.15	0.60±0.25	0.60±0.25
SCR64	6.30±0.15	3.20±0.15	0.56±0.15	0.60±0.25	0.60±0.25

[Model No. Configuration]

SCR16 - 103 J V
① ② ③ ④

① Model No.

Model	Size
SCR16	1608
SCR20	2012
SCR32	3216
SCR35	3225
SCR50	5025
SCR64	6432

② Resistance value

Indication	Resistance value
103	10kΩ
103=10 × 10 ³	=10,000Ω=10kΩ

③ Tolerance

Type	Tolerance
D	±0.5%
F	±1.0%
J	±5.07%

④ Packing style

Type	Packing style
V	Paper taping
E	Embossed taping
B	Bulk

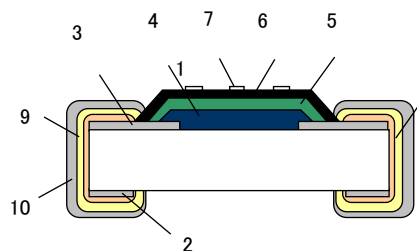
[Specification]

Model No.	Rated power (W)	Tolerance	Range (Ω)	TCR(ppm/°C)	Max. Working voltage	Max. Overload voltage
SCR16	0.20	D(±0.5%)	100~100K	±100	50V	100V
		F(±1.0%)	10~1M			
		J(±5.0%)	10~10M			
SCR20	0.25	D(±0.5%)	100~100K	±100	150V	200V
		F(±1.0%)	10~1M			
		J(±5.0%)	10~10M			
SCR32	0.33	D(±0.5%)	100~100K	±100	200V	400V
		F(±1.0%)	10~1M			
		J(±5.0%)	10~10M			
SCR35	0.50	D(±0.5%)	100~100K	±100	200V	400V
		F(±1.0%)	10~1M			
		J(±5.0%)	10~10M			
SCR50	0.75	D(±0.5%)	100~100K	±100	200V	400V
		F(±1.0%)	10~1M			
		J(±5.0%)	10~10M			
SCR64	1.00	F(±1.0%)	10~10M	±200	200V	400V
		J(±5.0%)	10~10M			

* Operating temperature range : -55~+155 °C

[Structure]

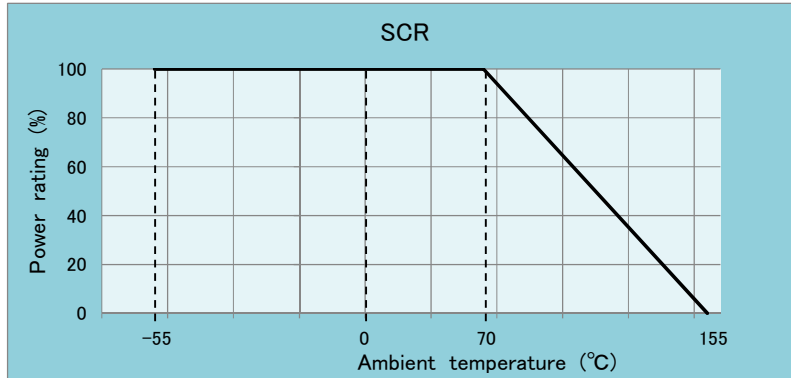
No.	Element Name
1	Ceramic substrate
2	Back electrode
3	Top electrode
4	Resistive element
5	Protective coat I
6	Protective coat II
7	Marking
8	Side electrode
9	Ni plating
10	Sn plating



* Design*specification are subject to change without prior notice. Please check before purchase and use.

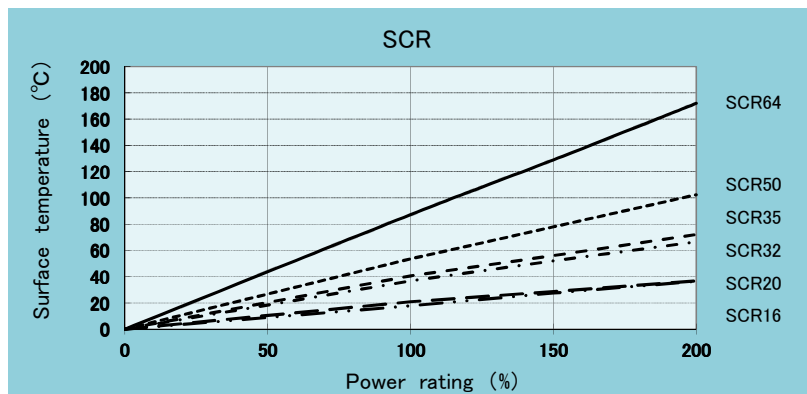
【Power rating】

■ For resistors operated in ambient temperature above 70°C, power rating must be derated in accordance with the derating curve.



【Surface temperature】

■ Surface temperature rise is shown in this figure.



【One-pulse limiting electric power】

