

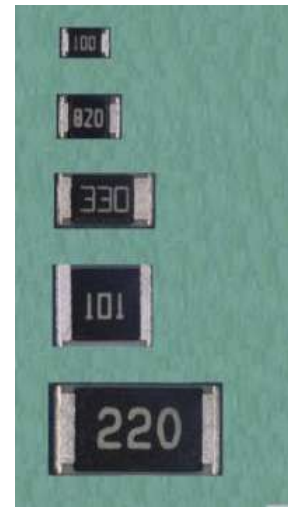
Model No.
FCR**

■ Features

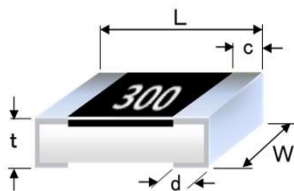
Functions as a resistor during normal operation,
When excessive power is applied, it quickly melts and breaks, protecting the circuit.

Compatible with reflow and Flowsoldering.

- Compliant with European RoHS Compliance.



■ Dimensions



(Unit: mm)

Model	L	W	t	c	d
FCR16	1.60±0.15	0.80+0.20/-0.10	0.50+0.15/-0.05	0.25±0.20	0.25±0.20
FCR20	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
FCR32	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
FCR35	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
FCR50	5.00±0.15	2.50±0.15	0.56+0.15/-0.05	0.60±0.25	0.60±0.25

■ Specifications

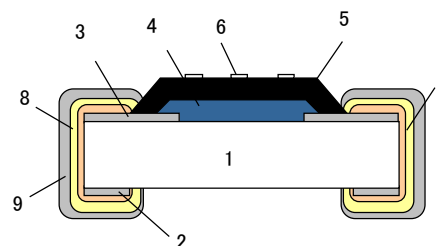
Model	Rated Power (W)	Resistance Value Tolerance	Resistance Value Range (Ω)	TCR (ppm/°C)	Max. Working voltage	Max. Overload voltage
FCR16	0.063	J(±5.0%)	5.6~33	±500	50V	100V
FCR20	0.100	J(±5.0%)	10~100	±500	100V	200V
FCR32	0.125	J(±5.0%)	10~100	±500	200V	400V
FCR35	0.250	J(±5.0%)	10~300	±500		
FCR50	0.500	J(±5.0%)	10~100	±500	200V	400V

Product Name	Fusing Characteristics		
	Resistance Value (Ω)	Fusing power (W)	Fusing time
FCR16	5.6~33	2.00	1 sec. (t ≤ 60 sec.)
FCR20	10~100	2.50	
FCR32	10~100	2.50	
FCR35	5.1~27	5.00	
	30~300	4.50	
FCR50	10~100	4.50	

*Operating Temperature Range: -55 to +125° C

■ Construction

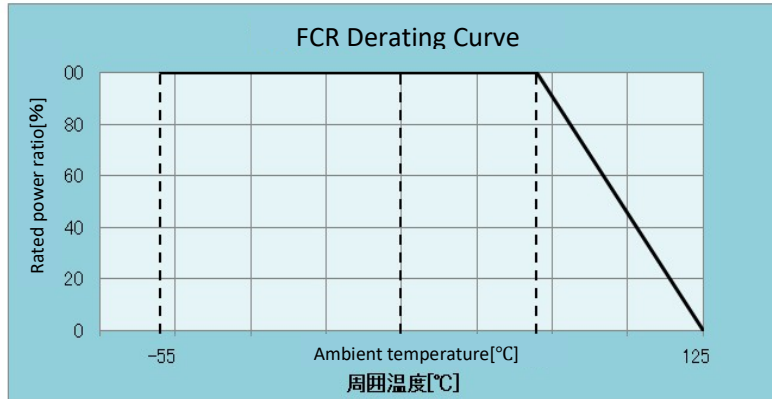
No.	Component Name
1	Ceramic Substrate
2	Back Electrode
3	Surface Electrode
4	Resistor
5	Protective coat
6	Marking
7	Side Electrode
8	Ni Plating
9	Sn Plating



*Design and specifications are subject to change without notice. Please confirm before purchase and use.

Power rating

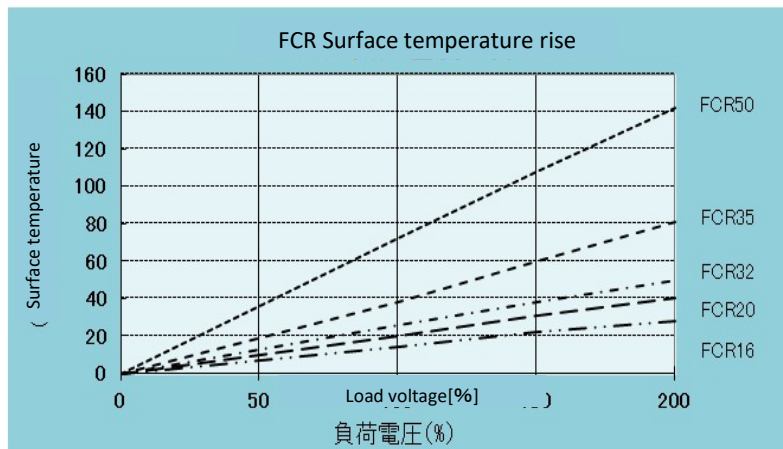
When used at ambient temperatures of 70° C or higher, reduce the Rated Power according to the following derating curve.



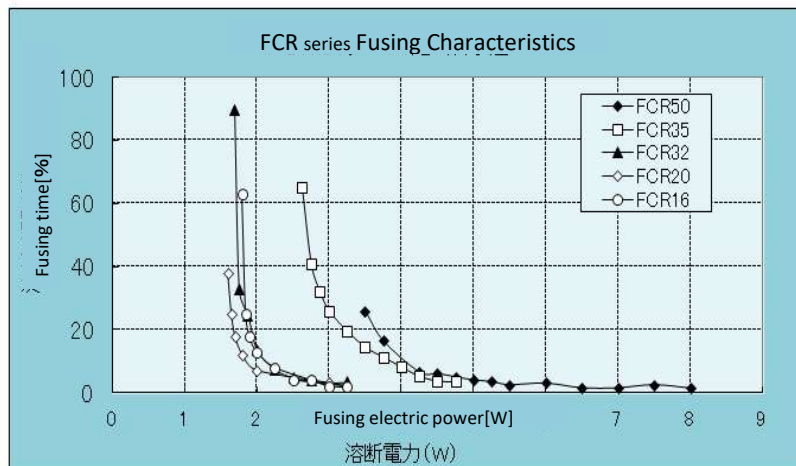
Surface Temperature Rise

Please refer to the following for the relationship between Rated Power ratio and Temperature Rise.

Condition: Soldering to glass cloth substrate epoxy resin (t=1.6mm) and measured.



■ Fusing Chara



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