

# Flat Type Chip Fuse Resistor

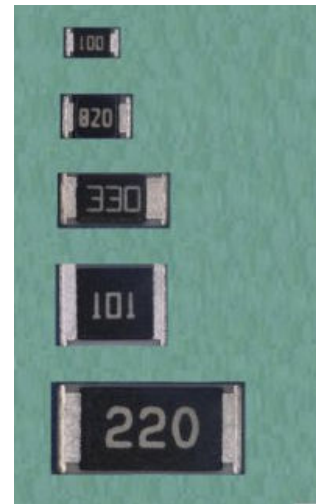
Hokuriku Electric Industry Co.,Ltd



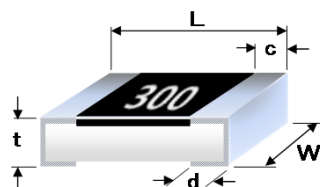
[Model No.]  
FCR\*\*

[Features]

- While it works as resistor at normal use, this resistor fuses rapidly and protects circuit.
- Reflow, Flow solderings are applicable.
- Europe RoHS compliant product.



[Dimensions]



(Unit: mm)

Model No.	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

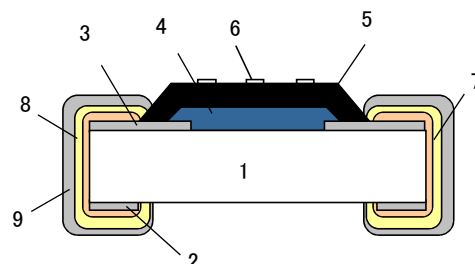
[Specification]

Model No.	Rated power (W)	Tolerance	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

Model No.	Fusing characteristic		
	Resistance (Ω)	Fusing power (W)	Fusing time
FCR16	5.6~33	2.00	1sec.<t≤60sec.
FCR20	10~100	2.50	
FCR32	10~100	2.50	
FCR35	5.1~27	5.00	
FCR50	30~300	4.50	
FCR50	10~100	4.50	

[Structure]

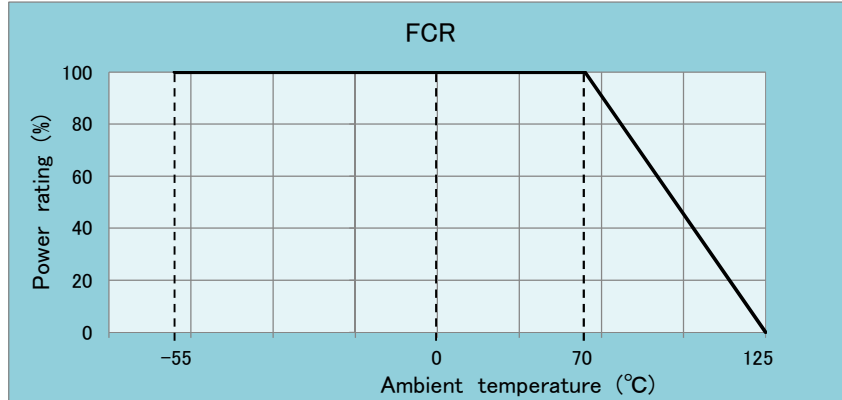
No.	Element Name
1	Ceramic substrate
2	Back electrode
3	Top electrode
4	Resistive element
5	Protective coat I
6	Protective coat II
7	Marking
8	Side electrode
9	Ni plating
10	Sn plating



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

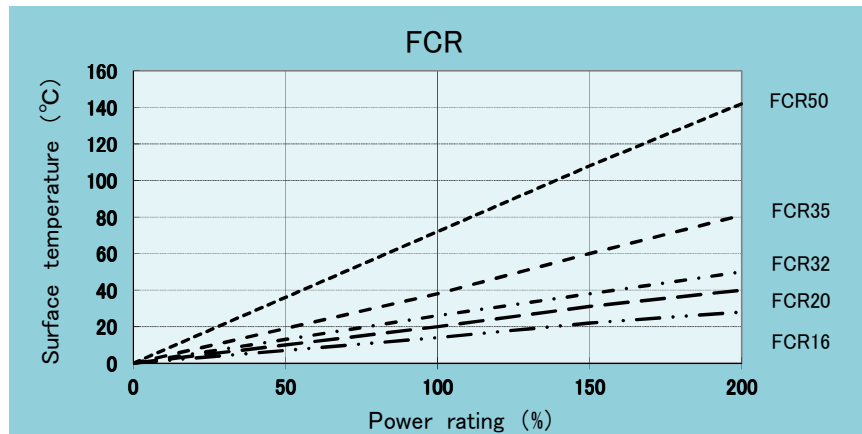
## [Power rating]

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

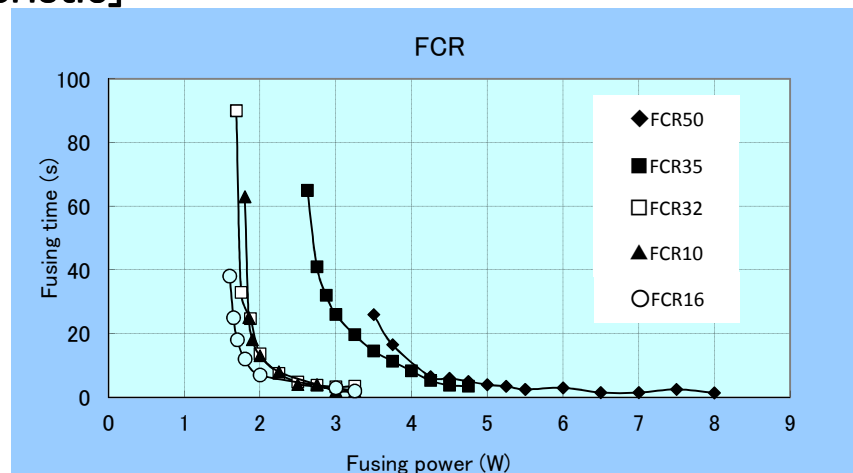


## [Surface temperature]

■ Surface temperature rise is shown in this figure.



## [Fusing Characteristic]



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