

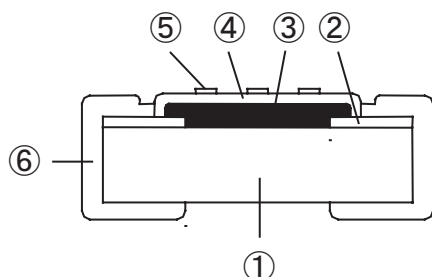


Fusible Chip Resistors

Model No. *1	FCR16 (FCR1/16)	FCR20 (FCR1/10)	FCR32 (FCR1/8)	FCR35 (FCR1/4)	FCR50 (FCR1/2)
Size Code Inch	0603	0805	1206	1210	2010
Size Code mm	1608	2012	3216	3225	5025

*1 ():Conventional Model No.

Construction



Symbol	Material List
①	Alumina substrate
②	Conductor
③	Resistive film
④	Over coat
⑤	Marking
⑥	Side termination

Model Designation

FCR35 (FCR1/4) 10 J V

①Model No. ②Resistance ③Tolerance ④Packaging

①Model No.*1
FCR16 (FCR1/16)
FCR20 (FCR1/10)
FCR32 (FCR1/8)
FCR35 (FCR1/4)
FCR50 (FCR1/2)

②Resistance
3 digit
(Resistance) (Marking)
10Ω → 100

③Tolerance(%)	
Symbol	Tolerance
J	±5

④Packaging	
Symbol	Packaging
B	Bulk
V	Paper taping
E	Embossed taping

Rating

Model No. *1	Rated Wattage (70°C) (W)	Tolerance (%)		Resistance Range E-24 Series Standard(Ω)	T.C.R. (ppm/°C)	Fusing Characteristic		
						Resistance (Ω)	Fusing Power (W)	Fusing Time (sec.)
FCR16 (FCR1/16)	0.063	J	±5	5.6 ~ 33	±500	10 ~ 100	2.00	1 < t ≤ 60
FCR20 (FCR1/10)	0.100	J	±5	10 ~ 82	±500	10 ~ 100	2.50	
FCR32 (FCR1/8)	0.125	J	±5	10 ~ 82	±500	10 ~ 100	2.50	
FCR35 (FCR1/4)	0.250	J	±5	10 ~ 300	±500	10 ~ 27	3.75	
						30 ~ 300	3.00	
FCR50 (FCR1/2)	0.500	J	±5	10 ~ 100	±500	10 ~ 100	4.50	

Operating temperature range : -55 °C ~ +125 °C

Features

- Surface mountable as well as CR series.
- Normally FCR works as the resistor, in case of abnormal power applications, FCR is melted out to open and protect the circuits.
- Either re-flow and flow soldering applicable.

Dimension, Power rating, Packaging

Refer "Dimension, Packaging,etc."

FCR (10Ω) Example of Fusing Characteristics

