

High Voltage Type Chip Resistor

Hokuriku Electric Industry Co.,Ltd



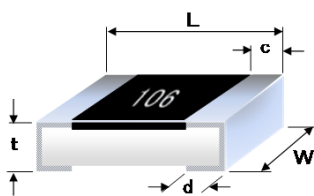
【Model Number】
HCR**

【Features】

- Compared to normal chip resistor, this product can be [used at higher voltage](#).
- Reflow, Flow solderings are applicable.
- Europe RoHS compliant product.



【Dimensions】



(Unit: mm)

Model No.	L	W	t	c	d
HCR16	1.80±0.15	0.80±0.15	0.50±0.10	0.25±0.20	0.25±0.20
HCR20	2.00±0.10	1.25±0.10	0.50±0.10	0.40±0.20	0.40±0.20
HCR32	3.20±0.10	1.60±0.10	0.50±0.10	0.50±0.20	0.50±0.20
HCR50	5.00±0.15	2.50±0.15	0.55±0.15	0.40±0.20	0.40±0.20

【Designation】

HCR20 - 105 J V

① Model No.		② Resistance Value		③ Resistance Tolerance		④ Packing Form	
Model No.	Size	Marking	Resistance	Symbol	Tolerance	Symbol	Form
HCR16	1608	105	1MΩ	F	±1.0%	V	Paper tape
HCR20	2012		105 = 10 × 10 ⁵ = 1,000,000 Ω = 1MΩ	G	±2.0%	E	Emboss tape
HCR32	3216			J	±5.0%	B	Bulk
HCR50	5025						

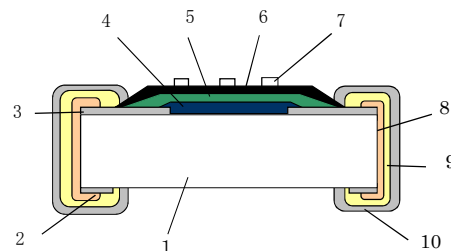
【Specification】

Model No.	Rated power (W) at 70°C	Tolerance	Range (Ω)	TCR (ppm/°C)	Max. Working Voltage	Max. Overload Voltage
HCR16	0.100	Class F (±1%)	180K~20M	±200	350V (DC)	500V (DC)
		Class G (±2%)				
		Class J (±5%)				
HCR20	0.125	Class F (±1%)	180K~20M	±200	400V	800V
		Class G (±2%)				
		Class J (±5%)				
HCR32	0.250	Class F (±1%)	100K~20M	±200	500V	1000V
		Class G (±2%)				
		Class J (±5%)				
HCR50	0.500	Class F (±1%)	3M~16M	±200	1500V	
		Class G (±2%)				
		Class J (±5%)				

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

【Structure】

Model No.	HCR20, HCR32, HCR50
No.	Element Name
1	Ceramic substrate
2	Bottom 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.