High Voltage Type Chip Resistor

Hokuriku Electric Industry Co.,Ltd

【Model Number】

HCR**

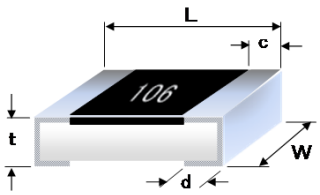
【Features】

■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	1.60±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 ② ③ ④

①Model No.

Model No.	Size
HCR16	1608
HCR20	2012
HCR32	3216
HCR50	5025

②Resistance Value

Marking	Resistance
105	1MΩ

$105 = 10 \times 10^5$
$= 1{,}000{,}000\,\Omega = 1\,M\Omega$

③Resistance Tolerance

Symbol	Tolerance
F	±1.0%
G	±2.0%
J	±5.0%

③Packing Form

Symbol	Form
V	Paper tape
E	Emboss tape
B	Bulk

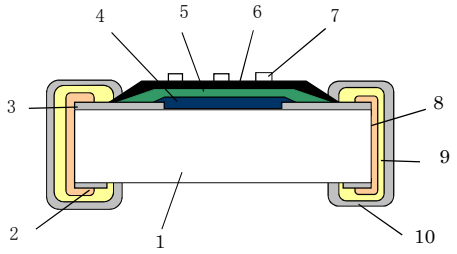
【Specification】

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

＊ Operating temperature range: −55～+155 ℃

【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.