

Sulfurization-proof Type Wide Terminal Chip Resistor

Hokuriku Electric Industry Co.,Ltd



【Model Number】

WCRES**

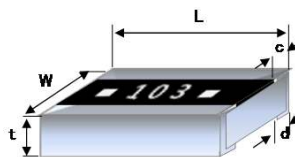
【Features】

- This is high power type sulfurization-proof by wide terminal.
- Use of special material for top electrode provides excellent sulfurization characteristic.
- By high power capability, reduction of mounting area is possible.
- By making terminal wide side (terminal area increased), higher reliability at solder joint was realized.
- Large terminal area provides excellent heat radiation, and help suppress heat generation of circuitry.
- Europe RoHS compliant product.



【Dimensions】

(Unit: mm)



Model No.	L	W	t	c	d
WCRES32	3.20±0.15	1.80±0.15	0.55 +0.15/-0.05	0.30±0.20	0.50±0.20
WCRES50	5.00±0.20	2.50±0.20	0.56±0.20	0.50±0.20	0.60±0.20
WCRES64	6.30±0.15	3.20±0.15	0.56±0.15	0.50±0.20	0.90±0.20

【Designation】

WCRES32 - 103 J V

① Model No.		② Resistance Value		③ Resistance Tolerance		④ Packing Form	
Model No.	Size	Marking	Resistance	Symbol	Tolerance	Symbol	Form
WCRES32	1632	103	10KΩ	F	±1.0%	V	Paper tape
WCRES50	2550			J	±5.0%	E	Emboss tape
WCRES64	3264					B	Bulk

103 = 10 × 10³ = 10,000 Ω = 10KΩ

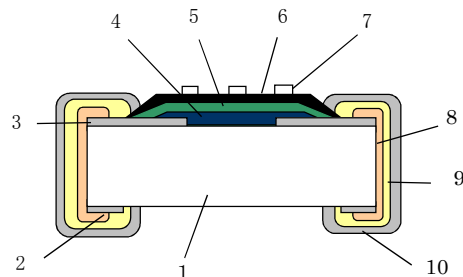
【Specification】

Model No.	Rated power (W) at 70°C	Tolerance	Range (Ω)	TCR (ppm/°C)	Max. Working Voltage	Max. Overload Voltage
WCRES32	0.5	Class F (±1%) Class J (±5%)	1~1M	±200 (Class F, 1~91 Ω: ±100)	200V	400V
WCRES50	1.0					
WCRES64	2.0					

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

【Structure】

Model No.	WCRES32 / WCRES50 / WCRES64
No.	Element Name
1	Ceramic substrate
2	Bottom electrode
3	Special 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.