

High Power Type Wide Terminal Ultralow Resistance Chip

Hokuriku Electric Industry Co.,Ltd



[Model No.]

WECR**

[Features]

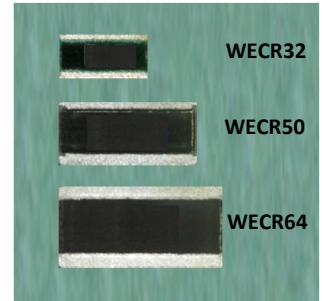
■ As a ultralow resistor of starting from 5mΩ, this is excellent for current detection application.

■ By using resistor material of excellent temperature characteristic, TCR ±100ppm/°C is achieved in full range of 5mΩ ~91mΩ

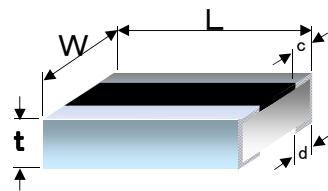
■ Synergy effect of double side resistor and wide side terminal structure suppresses heat generation from resistor element, making high power handling possible.

■ Due to wide side terminal structure, solder joints hold high reliability.

■ Europe RoHS compliant product.



[Dimensions]



(Unit: mm)

Model No.	L	W	t	c	d
WE CR32	3.20±0.15	1.60±0.15	0.55 ^{+0.15/-0.05}	0.30±0.20	0.30±0.20
WE CR50	5.00±0.20	2.50±0.20	0.56±0.15	0.50±0.20	0.50±0.20
WE CR64	6.30±0.20	3.20±0.20	0.56±0.15	0.60±0.20	0.60±0.20

[Specification]

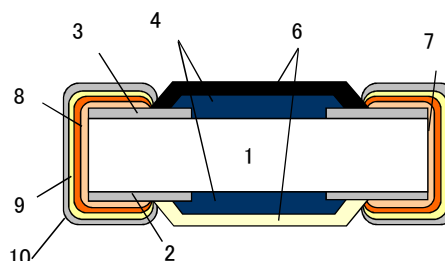
Model No.	Rated power (W)	Tolerance	Range (Ω)	TCR (ppm/°C)
WE CR32	0.75	J (±5%) F (±1%)	5m~9m 10m~91m	±100
WE CR50	1.0			
WE CR64	2.0			

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

※ 5~9mΩ range has resistor of 1mΩ step.

[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	Side electrode
8	Cu plating
9	Ni plating
10	Sn plating



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

HOKURIKU