



High-power, ultra-low resistance chip Fixed Resistor

Model No.

WECR**

■ Features

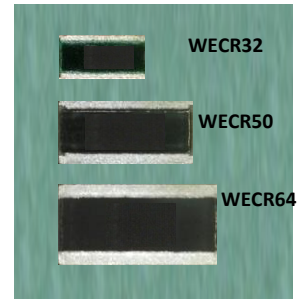
• As an ultra-low resistance starting at [5mΩ](#), it excels in current detection applications.

By using a resistor material with excellent temperature characteristics,
[TCR of ±100ppm/°C](#) is achieved across the entire range from [5MΩ](#) to [91MΩ](#).

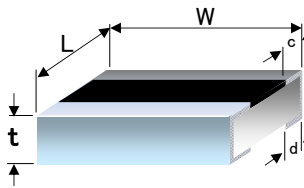
Synergistic effect of the double-sided resistor structure and the long-side electrode structure suppresses resistor heating.
enables [high power handling](#).

• Long-side electrode structure enables
[High reliability for joints](#).

• Compliant with [European RoHS Compliance](#)



■ Dimensions



(Unit: mm)

| Model | L | W | t | c | d |
|---------|-----------|-----------|-----------------|-----------|-----------|
| WE CR32 | 1.60±0.15 | 3.20±0.15 | 0.55+0.15/-0.05 | 0.30±0.20 | 0.30±0.20 |
| WE CR50 | 2.50±0.20 | 5.00±0.20 | 0.56±0.15 | 0.50±0.20 | 0.50±0.20 |
| WE CR64 | 3.20±0.20 | 6.30±0.20 | 0.56±0.15 | 0.60±0.20 | 0.60±0.20 |

■ Specifications

| Model | Rated Power (W) | Resistance Value Tolerance | Resistance Value Range (Ω) | TCR (ppm/°C) |
|---------|-----------------|----------------------------|----------------------------|--------------|
| WE CR32 | 0.75 | F-grade (±1%) | 10~91 | ±100 |
| WE CR50 | 1.0 | J-grade (±5%) | | |
| WE CR64 | 2.0 | J-grade (±5%) | 5~9 | |

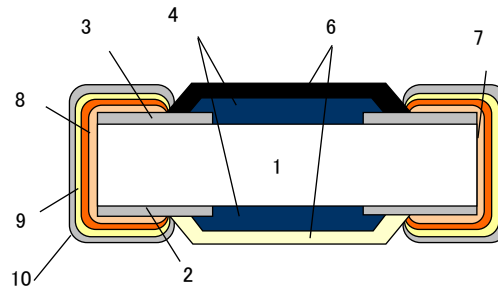
※The bolded sections are common

*5 to 9 MΩ are available in 1 MΩ steps

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

■ Construction

| No. | Component Name |
|-----|--------------------|
| 1 | Ceramic Substrate |
| 2 | Back Electrode |
| 3 | Surface Electrode |
| 4 | Resistor |
| 5 | Protective coat I |
| 6 | Protective coat II |
| 7 | Side Electrode |
| 8 | Cu plating |
| 9 | Ni Plating |
| 10 | Sn Plating |



*Design and specifications are subject to change without notice. Please confirm before purchase and use.