

Sulfurization-proof Type Chip Resistor

Hokuriku Electric Industry Co.,Ltd

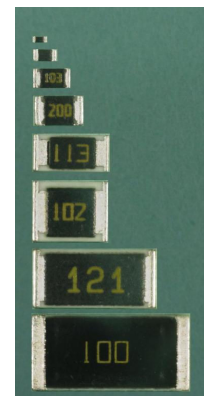


【Model No.】

CRES**

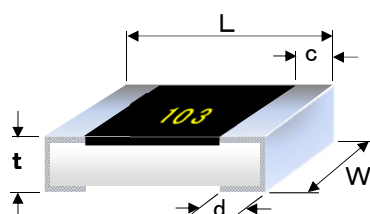
【Features】

- [Use of special material for top electrode](#) provides [excellent anti-sulfurization characteristic.](#)
- Compared to normal type, [20 times or more of durability](#) was achieved
- [Miniature size or Network types](#) are also available.
- [Reflow, Flow solderings](#) are applicable
- [Europe RoHS compliant product.](#)



【Dimensions】

(Unit: mm)



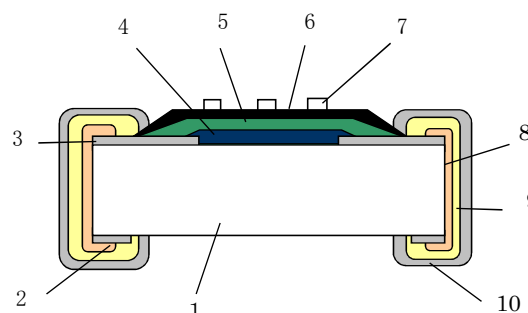
| Model No. | L | W | t | c | d |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CRES06 | 0.60±0.03 | 0.30±0.03 | 0.23±0.03 | 0.12±0.05 | 0.15±0.05 |
| CRES10 | 1.00±0.05 | 0.50±0.05 | 0.35±0.05 | 0.20±0.10 | 0.25±0.10 |
| CRES16 | 1.60±0.15 | 0.80±0.15 | 0.50±0.10 | 0.25±0.20 | 0.25±0.20 |
| CRES20 | 2.00±0.15 | 1.25±0.15 | 0.50±0.10 | 0.40±0.20 | 0.40±0.20 |
| CRES32 | 3.20±0.15 | 1.60±0.15 | 0.56±0.15 | 0.50±0.20 | 0.50±0.20 |
| CRES35 | 3.20±0.15 | 2.60±0.15 | 0.56±0.15 | 0.50±0.20 | 0.50±0.20 |
| CRES50 | 5.00±0.15 | 2.50±0.15 | 0.56±0.15 | 0.60±0.25 | 0.60±0.20 |
| CRES64 | 6.30±0.15 | 3.20±0.15 | 0.56±0.15 | 0.60±0.25 | 0.60±0.25 |

【Specification】

| Model No. | Rated power (W) | Tolerance | Range (Ω) | TCR (ppm/°C) | Max.Working Voltage | Max.Overload Voltage |
|-----------|-----------------|--------------------|-----------|--------------|---------------------|----------------------|
| CRES06 | 0.050 | F (±1%) | 10~1M | ±250 | 25V | 50V |
| CRES10 | 0.063 | | | | 50V | 100V |
| CRES16 | 0.100 | | | | 150V | 200V |
| CRES20 | 0.125 | J (±5%) | 10~1M | ±250 | 200V | 400V |
| CRES32 | 0.250 | | | | | |
| CRES35 | 0.250 | G (±2%) J (±5%) | 10~1M | ±300 | 200V | 400V |
| CRES50 | 0.500 | | | | | |
| CRES64 | 1.000 | | | | | |

【Structure】

| Model No. | CRES06, CRES10 | CRES16, CRES20, CRES32, CRES35, CRES50, CRES64 |
|-----------|--------------------|--|
| No. | Element Name | |
| 1 | Ceramic substrate | |
| 2 | Back electrode | |
| 3 | Special electrode | |
| 4 | Resistive element | |
| 5 | Protective coat I | |
| 6 | Protective coat II | |
| 7 | No Marking | 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.