# TMCCR High Voltage High Pulse Carbon Composition Resistor

**Feature:**

High pulse withstanding and high energy  capability

Low inductance

Solid rod carbon composition

Products with Pb-free Terminations and RoHS compliant

**Application:**

High voltage power supplies

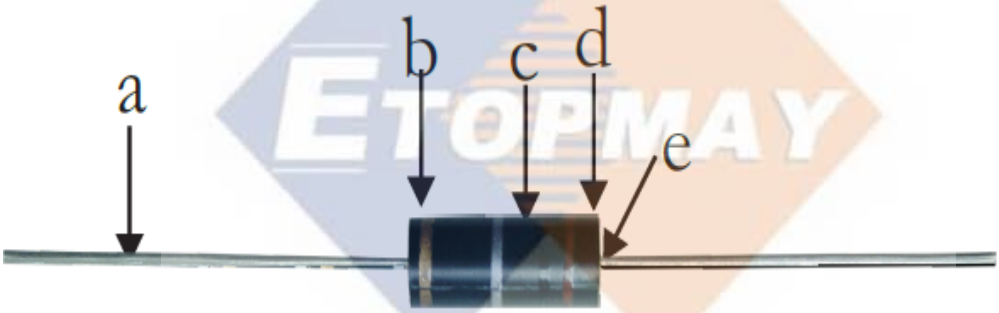
High power lighting

Inrush current limiting, protection (e.g. Discharge circuits, Surge protection)

Strobe lighting

Medical defibrillators ,welding, automotive

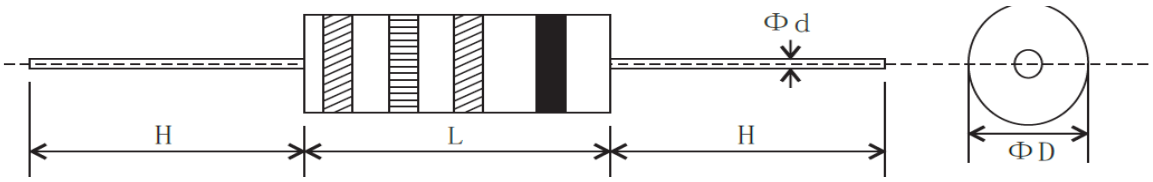
**Contruction:**




| | |
|---|---|
| a | Lead wire |
| b | Color band |
| c | Material |

| | |
|---|---|
| d | Insulation coating |
| e | End cap |

**Dimensions:**

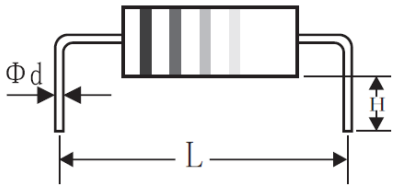



| Type | L(mm) | ΦD(mm) | H(mm) | Φd(mm) |
|---|---|---|---|---|
| 1/4W | 6.3±1 | 2.4±0.2 | 27±2 | 0.60±0.05 |
| 1/2W | 10+0.5<br>10-0.5 | 3.6±0.2 | 27±2 | 0.70±0.05 |
| 1W | 15+0.5<br>15-1.5 | 5.5±0.5 | 28±1 | 0.80±0.05 |
| 2W | 18+0.5<br>18-1.5 | 8.0±0.5 | 27±1 | 1.00±0.05 |

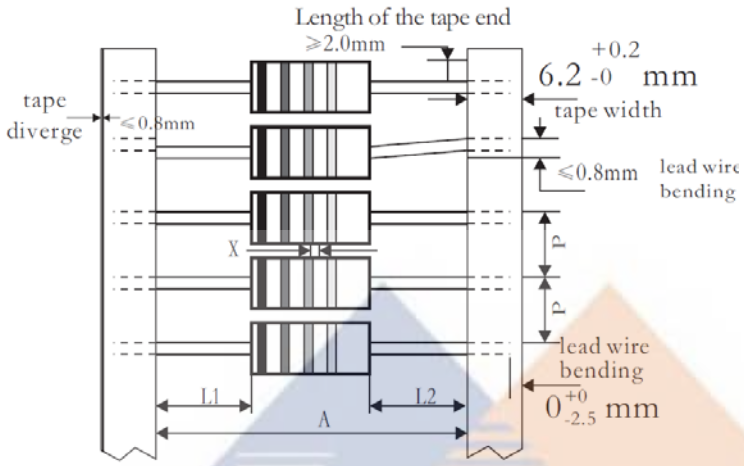
**Applications And Ratings:**

| Description | CCR-1/4W | CCR-1/2W | CCR-1W | CCR-2W |
|---|---|---|---|---|
| Rated power | 1/4W | 1/2W | 1W | 2W |
| Rated voltage | Rated power resistance (D.Cor A.C effective value of thevoltage) | | | |
| Maximum voltage | 400V | 700V | 1000V | 1000V |
| Maximum overload voltage | 250V | 350V | 500V | 500V |
| Nominal resistance | E24,E12,E6 | E24,E12,E6 | E24,E12,E6 | E24,E12,E6 |
| Tolerance | J,K,M | J,K,M | J,K,M | J,K,M |
| Resistance range | 2.2Ω—12MΩ | 2.2Ω—22MΩ | 2.2Ω—22MΩ | 2.2Ω—22MΩ |
| Operating temperature range | -55—125℃ | -55—125℃ | -55—125℃ | -55—125℃ |

**Horizontal Forming**




| Dimension(mm) | | |
|---|---|---|
| L±0.1 | H±0.1 | Φd±0.02 |
| 15.0 | 5.0 | 0.7 |




| Specification | T-52 |
|---|---|
| W | 52+1 |
| A | 64.5±0.5 |
| P | 5.08±0.38 |
| 50P | 254±2 |
| /L1-L2/ | ≤1.0 |
| X | ≤0.5 |
| unit : mm | |