

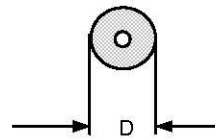
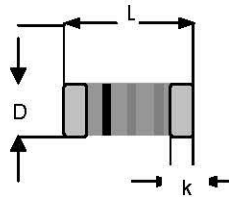
Metal Film Precision Resistors

Type: CSR

Features:

- Thin Film Technology
- High Stability
- Low TCR: $\pm 10 \text{ ppm}/^\circ\text{C}$
- Precision Tolerance to 0.1%
- Leadfree and RoHS compliant

Dimensions:



| Type | L | D | k |
|----------|------------------|------------------|-----------------|
| CSR 0204 | $3.45^{\pm 0.3}$ | $1.35^{\pm 0.2}$ | $0.6^{\pm 0.1}$ |
| CSR 0207 | $5.9^{\pm 0.3}$ | $2.2^{\pm 0.2}$ | $1.0^{\pm 0.1}$ |

Dimensions in mm

Technical data – depending on size:

| Type | Power rating P_{70} | Max. Working Voltage | Resistance Range (Ω) |
|----------|-----------------------|----------------------|-------------------------------|
| CSR 0204 | 1/4 W | 200 V | 0R1 – 10M |
| CSR 0207 | 1/2 W | 300 V | 0R1 – 10M |

High Power technical data-depending on size:

| Type | Power rating P_{70} | Max. Working Voltage | Resistance Range (Ω) |
|----------|-----------------------|----------------------|-------------------------------|
| CSR 0204 | 1/2 W | 300 V | 0R1 – 10M |
| CSR 0207 | 1 W | 500 V | 0R1 – 10M |

Technical data - general:

| | |
|--|--|
| Tolerances | 0.1%, 0.25%, 0.5%, 1%, 5% |
| Temperature coefficient (ppm/ $^\circ\text{C}$) | $\pm 10, \pm 15, \pm 25, \pm 50, \pm 100$ |
| Temperature range | $-55^\circ\text{C} \dots +155^\circ\text{C}$ |
| Climatic category acc. to IEC 60068 | 55/155/56 |
| Overload test (2.5x rated voltage / 5sec on, 45sec off, 10 cycles) | $\Delta R \pm 0.1\%$ |
| Endurance test (P_{70} 0.5h on/off, 1000h) | $\Delta R \pm 0.25\%$ |