

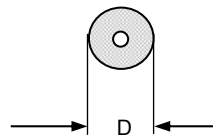
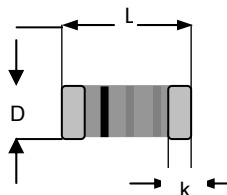
## Metal Film Precision Resistors

### 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 ( $\Omega$ )
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 ( $\Omega$ )
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	$-55^\circ\text{C}$ ... $+155^\circ\text{C}$
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)	$\Delta R \pm 0.25\%$

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