



## Features

- Chip-style construction with current terminal and voltage terminal
- Super-low value and high precision
- No change in value when welding the resistor on the circuit board, even for the tolerance F:  $\pm 1.0\%$  D:  $\pm 0.5\%$
- $TCR \leq \pm 50 \times 10^{-6}/^{\circ}C$
- Appropriate to reflow soldering, flow soldering and iron soldering

## Applications

- Electric bicycle
- Robot

## Technical Specifications

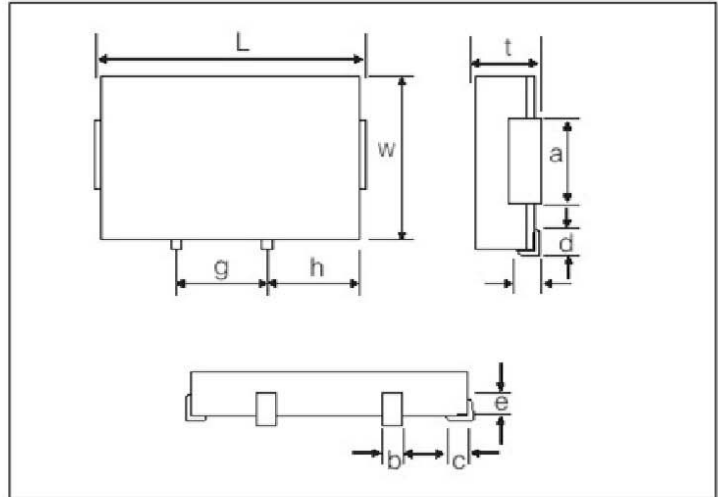
Type	Rated power	Resistance range	TCR	Resistance tolerances	Withstand voltage	Temperature range	Packing
CSR1	1W	5mΩ ~50mΩ	$\pm 50 \times PPM/^{\circ}C$	$\pm 1.0\%(F)$ , $\pm 0.5\%(D)$	500V	$-55^{\circ}C \sim +125^{\circ}C$	1,000
CSR2	2W						

## How To Order

Example

CSR	1	5mΩ	$\pm 0.5\%$	$\pm 50ppm$	Boxes
Type	Style	Nominal Value	Tolerance	TCR	Packaging
CSR	CSR1 CSR2	5mΩ	$\pm 0.5\%$ $\pm 1\%$	$\pm 50ppm$	box

## Construction



## Dimensions(mm)

Type	L $\pm 0.5$	W $\pm 0.3$	t $\pm 0.2$	a $\pm 0.3$	b $\pm 0.2$	c $\pm 0.5$
CSR1	10.8	6.2	2.1	3.0	0.8	1.4
CSR2	12.8	8.2	3.1	5.0	1.0	2.0

Type	d $\pm 0.5$	e $\pm 0.3$	f $\pm 0.3$	g $\pm 0.1$	h $\pm 0.1$	Weight(g) 1,000pcs
CSR1	1.2	1.3	1.3	5.0	2.5	320
CSR2	2.0	2.2	2.2	6.0	3.0	690

## Reference Standards

JEC 6045-1  
JISC 5201-1