

Precision low resistance chip resistors

■SHR series

Features

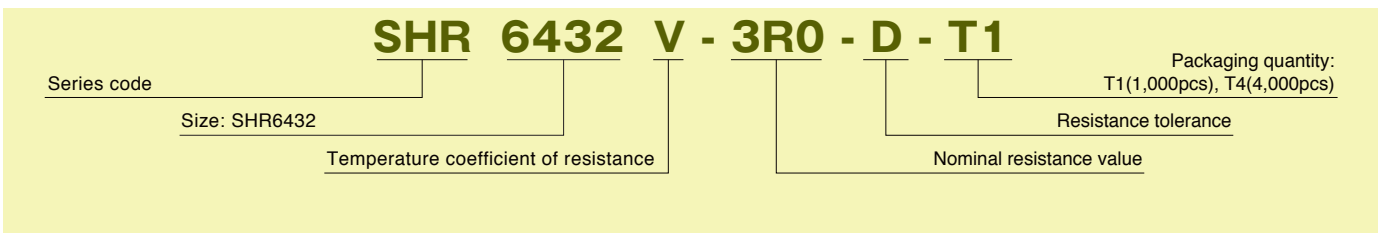
- Precision with separated voltage terminal (4 terminals)
- Resistance tolerance: $\pm 0.5\%$
- Resistance error with self heating: $\pm 100\text{ppm}$ (0.1w ~ 0.5w)

Applications

- Electronic scales, test equipment, measuring equipment



◆Part numbering system



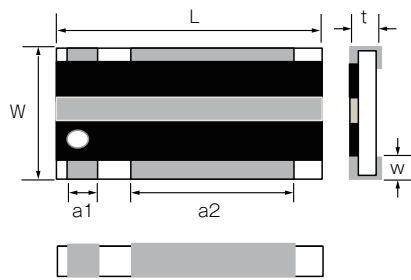
◆Electrical Specification

| Type | Power ratings | Temperature coefficient of resistance ^{*1} | Resistance range(Ω) ^{*2 *3} | Resistance tolerance ^{*2} | Operating temperature | Packaging quantity |
|---------|---------------|---|---|------------------------------------|--|--------------------|
| | | (ppm/ $^{\circ}\text{C}$) | $\pm 0.5\%$ (D) | | | |
| SHR6432 | 0.5W | ± 5 (V) | $3 \leq R \leq 8$ | | $0^{\circ}\text{C} - 60^{\circ}\text{C}$ | T1 T4 |

Information on above specification

| | | |
|----|---|---|
| *1 | Coefficient of resistance by self heating | Resistance value, once powered, is influenced by the self-heating obtained by the following formula. *1 above is a designed value $\{R(P2) - R(P1)\} / R(P1) * 100000 \leq \pm 100\text{ppm}$ R(P1) : measured resistance value at 0.1w(25 $^{\circ}\text{C}$) R(P2) : measured resistance value at 0.5w(25 $^{\circ}\text{C}$) |
| *2 | Resistance value range | Resistance value is obtained by the following formula. $R = V / I$ $I = V_s / R_s$ Vs : Voltage applied to the standard resistor Rs : Standard resistance value V:1V (voltage at the time of resistance measurement) |
| *3 | User resistance value | Please contact us for the resistance value you require. |

◆ Dimensions



| Type | Size (inch) | L | W | t | a1 | a2 | w |
|----------|-------------|----------------|--------------|--------------|----------------|--------------|---------------|
| SHR6432V | 2512 | $6.4+0.2/-0.4$ | 3.2 ± 0.2 | 0.5 ± 0.1 | $1.0+0.2/-0.1$ | 4.2 ± 0.2 | 0.55 ± 0.2 |

(unit : mm)

◆ Temperature characteristics

