

## 1.5-Watt, Low Ohm, Low Resistance Resistor

### Features

- Higher Power Rating in a 2512 package
- Flameproof UL94V0 molded polymer case
- AEC-Q200 Qualified

### Technical Information

- 1.5-Watt Power Rating in a 2512 Package
- Resistance Range:  $3\text{m}\Omega \sim 100\text{m}\Omega$
- T.C.R.:  $\pm 180\text{ppm}/^\circ\text{C}; R \leq 13\text{m}\Omega$   
 $\pm 100\text{ppm}/^\circ\text{C}; R \geq 15\text{m}\Omega$
- Resistance Tolerance:  $\pm 0.5\%$ ,  $\pm 1\%$ ,  $\pm 2\%$ ,  $\pm 5\%$
- Operating Temperature:  $-55^\circ\text{C} \sim +180^\circ\text{C}$

### Target Markets

- Transportation
- Industrial
- Consumer Electronics
- Telecommunications

### Applications

- Automotive Engineering and Management Systems
- DC to DC conversion
- AC Adaptors
- Notebook PCs
- Motor Controls
- Power Supplies

### Applications & Ratings



Part Designation	Power Rating @70°C	T.C.R. (ppm/°C) Max.*	Standard Resistance ( $\Omega$ ) (E-24)**	Resistance Tolerance	Rated Terminal Part Temperature	Operating Temperature Range
SLW1	1.5W	$\pm 180; R \leq 13\text{m}\Omega$ $\pm 100; R \geq 15\text{m}\Omega$	$10\text{m}\Omega \sim 100\text{m}\Omega$	D: $\pm 0.5\%$	120°C	$-55^\circ\text{C}$ to $+180^\circ\text{C}$
			$5\text{m}\Omega \sim 100\text{m}\Omega$	F: $\pm 1\%$		
			$3\text{m}\Omega \sim 4\text{m}\Omega$	G: $\pm 2\%$		
			$3\text{m}\Omega \sim 100\text{m}\Omega$	J: $\pm 5\%$		

\* Please contact factory for T.C.R.:  $\pm 50\text{ppm}/^\circ\text{C}$  and  $\pm 75\text{ppm}/^\circ\text{C}$

\*\* 5m, 6m, 7m, 8m, 9m, also available inside resistance range