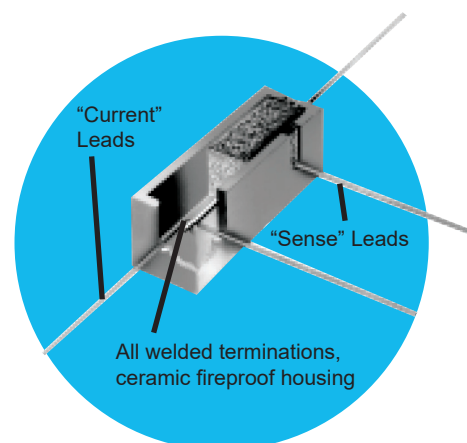


# Four-Terminal Current-Sensing Wirewound Resistor

## 4LPW Series

- TC =  $\pm 40\text{ppm}/^{\circ}\text{C}$
- 3 watts to 15 watts
- 0.005 ohm to 1.0 ohm
- $\pm 1\%$ ,  $\pm 2\%$ ,  $\pm 3\%$ ,  $\pm 5\%$ ,  $\pm 10\%$  tolerance
- Flameproof construction



**NOT RECOMMENDED FOR NEW DESIGNS**



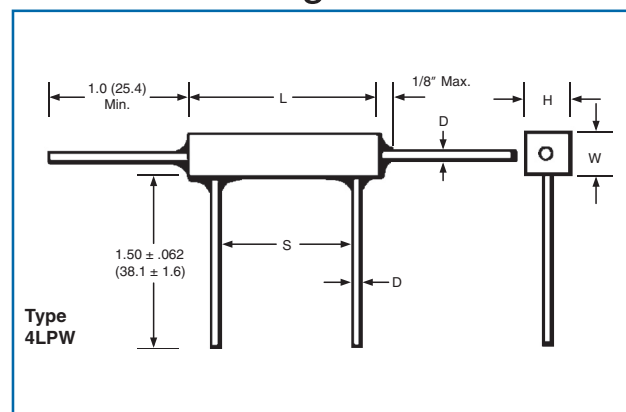
All Pb-free parts comply with EU Directive 2011/65/EU amended by (EU) 2015/863 (RoHS3)

## Electrical Data

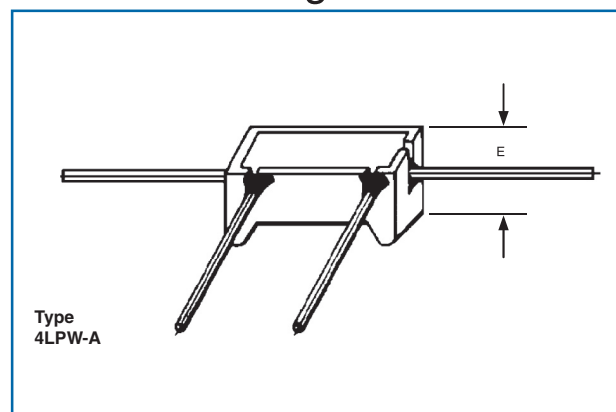
| IRC Type | Power @ 25°C (watts) | Max. Current (amps) | Resistance Range (ohms) |
|----------|----------------------|---------------------|-------------------------|
| 4LPW-3   | 3                    | 10                  | .005 TO 1.0             |
| 4LPW-5   | 5                    | 10                  | .005 TO 1.0             |
| 4LPW-7   | 7                    | 20                  | .01 TO 1.0              |
| 4LPW-10  | 10                   | 20                  | .01 TO 1.0              |
| 4LPW-15  | 15                   | 20                  | .01 TO 1.0              |

Please note: When ordering the alternate configuration please add an "A" after the part number. (4LPW-3A)

## Standard Configuration



## Alternate Configuration



Dimensions (Inches (mm))

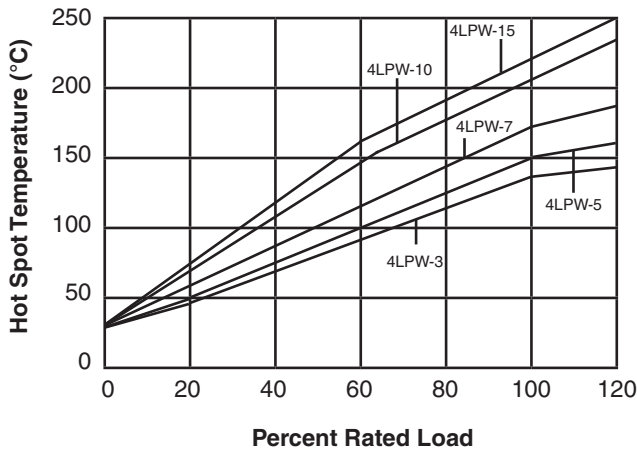
| IRC Type | L<br>$\pm .063$ (1.6) | W<br>$\pm .03$ (.8) | H<br>$\pm .03$ (.8) | S<br>$\pm .062$ (1.6) | D<br>Diameter | E<br>$\pm .03$ (.8) |
|----------|-----------------------|---------------------|---------------------|-----------------------|---------------|---------------------|
| 4LPW-3   | .88 (22.4)            | .31 (7.87)          | .31 (7.87)          | .563 (14.3)           | .036 (.9)     | .38 (9.65)          |
| 4LPW-5   | .88 (22.4)            | .38 (9.65)          | .35 (8.89)          | .563 (14.3)           | .036 (.9)     | .41 (10.4)          |
| 4LPW-7   | 1.39 (35.3)           | .38 (9.65)          | .35 (8.89)          | 1.013 (25.7)          | .036 (.9)     | .47 (11.9)          |
| 4LPW-10  | 1.88 (47.8)           | .38 (9.65)          | .35 (8.89)          | 1.388 (35.3)          | .036 (.9)     | .47 (11.9)          |
| 4LPW-15  | 1.88 (47.8)           | .50 (12.7)          | .50 (12.7)          | 1.388 (35.3)          | .036 (.9)     | .63 (16.0)          |

### General Note

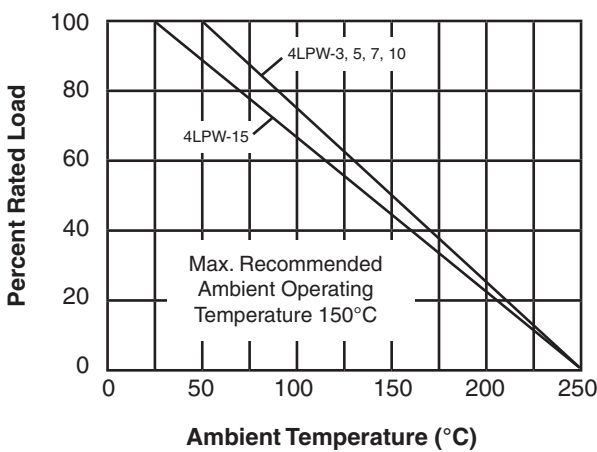
TT Electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

4LPW Series **NOT RECOMMENDED FOR NEW DESIGNS**

Temperature Rise Chart



Power Derating Curve



Ordering Data

|                                                               |      |    |      |   |    |
|---------------------------------------------------------------|------|----|------|---|----|
| Sample Part No. ....                                          | 4LPW | 15 | R010 | F | LF |
| IRC Type .....                                                | 4LPW |    |      |   |    |
| Power .....                                                   |      |    |      |   |    |
| 3 = 3W, 5 = 5W, 7 = 7W, 10 = 10W, 15 = 15W                    |      |    |      |   |    |
| Resistance Range .....                                        |      |    |      |   |    |
| Expressed in ohms<br>(Standard EIA/MIL values)                |      |    |      |   |    |
| Tolerance .....                                               |      |    |      |   |    |
| F = ±1%, G = ±2%, H = ±3%, J = ±5%, K = ±10%                  |      |    |      |   |    |
| RoHS Indicator .....                                          |      |    |      |   |    |
| LF indicates RoHS compliance / Omit this code for SnPb finish |      |    |      |   |    |

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