

# High-precision current-detection elements

## RL-L series: four-terminal type

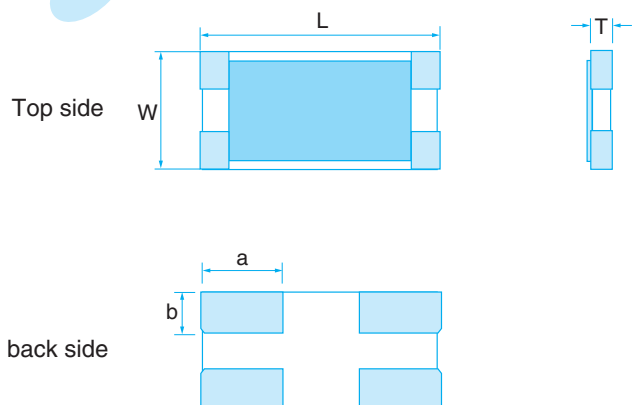


Newly released: A four-terminal structure with separate voltage- and current-terminals assures high-precision TCR of 50ppm/°C and 0.5% tolerance.

RoHS compliant

## SPECIFICATIONS

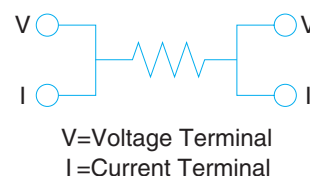
### Mechanical



| Dimension<br>(Inch Size) | RL1632L4<br>(1206) | RL2550L4<br>(2010) | RL3264L4<br>(2512) |
|--------------------------|--------------------|--------------------|--------------------|
| L                        | 3.2±0.2            | 5.0±0.2            | 6.4±0.2            |
| W                        | 1.6±0.2            | 2.5±0.2            | 3.2±0.2            |
| a                        | 1.0±0.2            | 1.7±0.2            | 2.1±0.2            |
| b                        | 0.55±0.2           | 0.9±0.2            | 1.2±0.2            |
| T                        | 0.5±0.15           | 0.5±0.15           | 0.5±0.15           |

(unit : mm)

### Equivalent circuit



### Electrical

|                         |                                      |              |                                           |             |              |
|-------------------------|--------------------------------------|--------------|-------------------------------------------|-------------|--------------|
| Type                    | RL1632L4                             | RL2550L4     | RL3264L4                                  |             |              |
| Power                   | 1/2W                                 | 3/4W         | 1W                                        |             |              |
| Tolerance %(code)       | ±0.5%(D) ±1%(F)                      |              |                                           |             |              |
| Resistance Range (Ω)    | 10~500m                              |              | 3~5m                                      | 6~500m      |              |
| TCR ppm /°C(code)       | ±50ppm/°C                            |              | ±100ppm/°C                                | ±50ppm/°C   |              |
| Terminal Resistance (Ω) | 10~47m                               | 50~500m      | 3~8m                                      | 10~47m      | 50~500m      |
|                         | 5 M or less                          | 20 M or less | 1 M or less                               | 5 M or less | 20 M or less |
| Resistance Value (Ω)    | E-12 series<br>50, 500m              |              | E-12 series<br>3, 4, 5, 6, 7, 8, 50, 500m |             |              |
| Package                 | 1,000(T1)pcs/reel, 5,000(T5)pcs/reel |              |                                           |             |              |

· Contact us for even lower resistance values.

## PART NUMBER

**RL 1632 L4 - R033 - F - T1(T5)**

- Package  
(T1:1000pcs/reel, T5:5000pcs/reel)
- Resistance Tolerance
- Current-detection Resistance Values
- Number of Terminals
- Dimensions
- Part Code