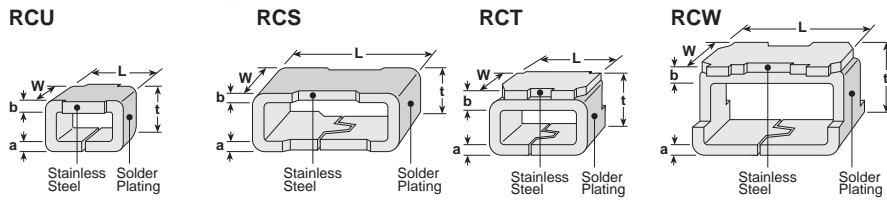




### features

- Surface-mountable chip type test terminal
- Automatic machine insertable
- Suitable for reflow and wave soldering
- Available in three standard sizes: 0603, 0805 or 1206
- Products with lead-free terminations meet EU RoHS and China RoHS requirements
- AEC-Q200 Qualified (RCU only)

### dimensions and construction



Note: Top surfaces of RCT and RCW are not solderable.

| Type<br>(Inch Size Code) | Dimensions inches (mm) |                |                |                |                |
|--------------------------|------------------------|----------------|----------------|----------------|----------------|
|                          | L                      | W              | t              | a              | b              |
| RCU (0603)               | .063<br>(1.6)          | .031<br>(0.8)  | .045<br>(1.15) | .009<br>(0.23) | .009<br>(0.23) |
| RCT (0805)               | .079<br>(2.0)          | .049<br>(1.25) | .057<br>(1.45) | .009<br>(0.23) | .018<br>(0.45) |
| RCS (1206)               | .126<br>(3.2)          | .063<br>(1.6)  | .049<br>(1.25) | .009<br>(0.23) | .009<br>(0.23) |
| RCW (1206)               |                        |                | .079<br>(2.0)  | .009<br>(0.23) | .018<br>(0.45) |

### ordering information

|                          |                             |  |
|--------------------------|-----------------------------|--|
| <b>RCU</b>               | <b>C</b>                    | <b>TE</b>  |
| <b>Type</b>              | <b>Termination Material</b> | <b>Packaging</b>   |
| RCU<br>RCT<br>RCS<br>RCW | C: SnCu                     | TE: 7" embossed plastic (2,000 pieces/reel)<br>TED: 10" embossed plastic (5,000 pieces/reel)<br>RCW not available in TED |

For further information on packaging, please refer to Appendix A.

### applications and ratings

| Part Designation         | Rated Current | Standard Resistance | Rated Ambient Temperature | Operating Temperature Range |
|--------------------------|---------------|---------------------|---------------------------|-----------------------------|
| RCU<br>RCT<br>RCS<br>RCW | 2 Amps        | 50mΩ or less        | +70°C                     | -55°C to +125°C             |

### environmental applications

#### Performance Characteristics

| Parameter                   | Requirement Real R       |                          | Test Method   |
|-----------------------------|--------------------------|--------------------------|---|
|                             | Limit                    | Typical                  |   |
| Resistance                  | 50mΩ Max. after the test | 10mΩ Max. after the test | 25°C  |
| Resistance to Solder Heat   |                          |                          | 260°C ± 5°C, 10 seconds ± 1 second                  |
| Rapid Change of Temperature |                          |                          | -55°C (30 minutes), +125°C (30 minutes), 100 cycles |
| High Temperature Exposure   |                          |                          | +125°C, 240 hours                                   |

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

1/06/14