

**Chip Resistor ACTR Series**

**Automotive  
AEC-Q200**

RoHS Compliant  
Halogen Free  
REACH Compliant



Thick Film

High Precision

**Part Numbering**

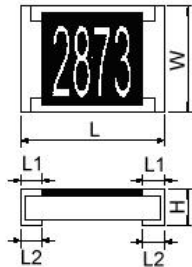
| A     | CTR            | 00           | 1206                   | -            | 10R2               | F         | TP                       |
|-------|----------------|--------------|------------------------|--------------|--------------------|-----------|--------------------------|
| Grade | Product Series | Control Code | Dimensions Code (inch) | Special Code | Nominal Resistance | Tolerance | Taping Code              |
|       |                |              | 0603 1.6x0.8x0.45      |              | 0.1Ω R100          | D ±0.5%   | TP (5000PCS) : 0805-1210 |
|       |                |              | 0805 2.0x1.25x0.5      |              | 10.2Ω 10R2         | F ±1%     | TE (4000PCS) : 2010-2512 |
|       |                |              | 1206 3.05x1.55x0.5     |              | 10KΩ 1002          |           |                          |
|       |                |              | 1210 3.05x2.55x0.55    |              |                    |           |                          |
|       |                |              | 2010 5.0x2.5x0.6       |              |                    |           |                          |
|       |                |              | 2512 6.3x3.2x0.6       |              |                    |           |                          |

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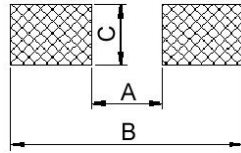
**ACTR Type**

**■ Dimensions**



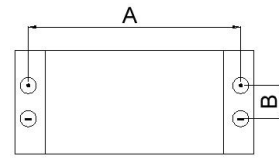
unit:mm

**■ Recommended Land Pattern**



unit:mm

**■ Measurement Point**



⊕ Current Terminal  
⊖ Voltage Terminal

unit:mm

| Type       | Dimensions |           |           |           |           | Recommended Land Pattern |     |     | Measurement Point |            |
|------------|------------|-----------|-----------|-----------|-----------|--------------------------|-----|-----|-------------------|------------|
|            | L          | W         | H         | L1        | L2        | A                        | B   | C   | A<br>±0.05        | B<br>±0.05 |
| ACTR000603 | 1.60±0.10  | 0.80±0.10 | 0.45±0.10 | 0.30±0.15 | 0.30±0.15 | 0.8                      | 2.1 | 0.9 | 1.35              | 0.35       |
| ACTR000805 | 2.00±0.10  | 1.25±0.10 | 0.50±0.10 | 0.35±0.20 | 0.35±0.20 | 1.2                      | 3.0 | 1.3 | 1.8               | 0.35       |
| ACTR001206 | 3.05±0.10  | 1.55±0.10 | 0.50±0.10 | 0.45±0.20 | 0.65±0.25 | 2.2                      | 4.2 | 1.6 | 2.9               | 0.35       |
| ACTR001210 | 3.05±0.10  | 2.55±0.10 | 0.55±0.10 | 0.50±0.20 | 0.50±0.20 | 2.2                      | 4.2 | 2.8 | 2.9               | 0.35       |
| ACTR002010 | 5.00±0.20  | 2.50±0.20 | 0.60±0.10 | 0.65±0.20 | 0.65±0.20 | 3.5                      | 6.1 | 2.8 | 4.5               | 1.15       |
| ACTR002512 | 6.30±0.20  | 3.20±0.20 | 0.60±0.10 | 0.65±0.20 | 0.65±0.20 | 3.8                      | 8.0 | 3.5 | 5.9               | 1.60       |

**Electrical Characteristics Resistance Range:**

| Type                        | Rated Power<br>at 70°C<br>(W) | Working Voltage<br>(V) Max. | Overload Voltage<br>(V) Max. | T.C.R<br>(ppm/°C) | Resistance Range (mΩ)   |
|-----------------------------|-------------------------------|-----------------------------|------------------------------|-------------------|-------------------------|
|                             |                               |                             |                              |                   | ±0.5%, ±1%<br>E-24、E-96 |
| ACTR000603                  | 1/10                          | 75                          | 150                          | ±50               | 100 ≤ R < 1M            |
| ACTR000805                  | 1/8                           | 150                         | 300                          | ±50               | 100 ≤ R < 1M            |
| ACTR001206                  | 1/4                           | 200                         | 400                          | ±50               | 100 ≤ R < 1M            |
| ACTR001210                  | 1/2                           | 200                         | 400                          | ±50               | 100 ≤ R < 1M            |
| ACTR002010                  | 3/4                           | 200                         | 400                          | ±50               | 100 ≤ R < 1M            |
| ACTR002512                  | 1                             | 200                         | 400                          | ±50               | 100 ≤ R < 1M            |
| Operating Temperature Range |                               |                             |                              | -55°C ~ +155°C    |                         |

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