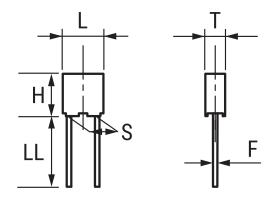


## R82IC3100AA55K

Aliases (82IC3100AA55K) R82, Film, Metallized Polyester Stacked, Automotive Grade, 0.1 uF, 10%, 250 VDC, 85°C, 5 mm



Click here for the 3D model.

| Dimensions |                   |
|------------|-------------------|
| L          | 7.2mm +0.3/-0.5mm |
| н          | 10mm +0.1/-0.5mm  |
| Т          | 5mm +0.1/-0.5mm   |
| S          | 5mm +/-0.4mm      |
| LL         | 4mm +1.5mm        |
| F          | 0.5mm +/-0.05mm   |

## **Packaging Specifications**

| Packaging          | Bulk |
|--------------------|------|
| Packaging Quantity | 1000 |

| General Information      |   |
|--------------------------|---|
| Series                   | R82   |
| Dielectric               | Metallized Polyester Stacked                        |
| Style                    | Radial  |
| Features                 | Automotive Grade, DC<br>Multipurpose Applications   |
| RoHS                     | Yes   |
| Termination              | Cut (Tinned Wire)                                   |
| Lead                     | Cut   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 0.72 g  |
| Miscellaneous            | Above 85C DC And AC Voltage<br>Derating Is 1.25%/C. |

| Specifications        |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.1 uF                                |
| Tolerance             | 10%                                   |
| Voltage DC            | 250 VDC                               |
| Voltage AC            | 160 VAC                               |
| Temperature Range     | -55/+105°C                            |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz, 2.5%<br>100kHz |
| Insulation Resistance | 30 GOhms                              |
| Max dV/dt             | 250 V/us                              |
| Inductance            | 7 nH                                  |

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