

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.

General Information

| | |
|--------------------------|--|
| Series | R82 |
| Dielectric | Metallized Polyester Stacked |
| Style | Radial |
| Features | Automotive Grade, DC 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 Derating Is 1.25%/C. |

Dimensions

| | |
|----|-------------------|
| L | 7.2mm +0.3/-0.5mm |
| H | 10mm +0.1/-0.5mm |
| T | 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 |

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% 100kHz |
| Insulation Resistance | 30 GOhms |
| Max dV/dt | 250 V/us |
| Inductance | 7 nH |

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