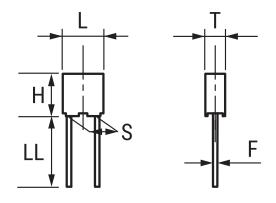


## R82MC2100JB50K

Aliases (82MC2100JB50K) R82, Film, Metallized Polyester Stacked, Automotive Grade, 0.01 uF, 10%, 400 VDC, 85°C, 5 mm



Click here for the 3D model.

| Dimensions |                   |
|------------|-------------------|
| L          | 7.2mm +0.2/-0.5mm |
| н          | 7.5mm +0.1/-0.5mm |
| Т          | 3.5mm +0.1/-0.5mm |
| S          | 5mm +/-0.4mm      |
| LL         | 3.5mm +0.5mm      |
| F          | 0.5mm +/-0.05mm   |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging                | Bulk |
| Packaging Quantity       | 2000 |

| 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   |
| Miscellaneous       | Above 85C DC And AC Voltage<br>Derating Is 1.25%/C. |

| Specifications        |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.01 uF                               |
| Tolerance             | 10%                                   |
| Voltage DC            | 400 VDC                               |
| Voltage AC            | 200 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             | 400 V/us                              |
| Inductance            | 7 nH                                  |

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