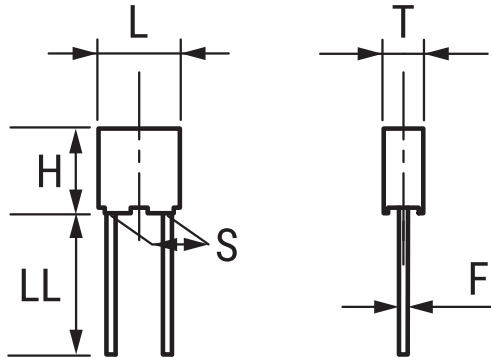


## R82MC1150AA50K

Aliases (82MC1150AA50K)

R82, Film, Metallized Polyester Stacked, Automotive Grade, 1,500 pF, 10%, 400 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                                              |
| Miscellaneous  | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                   |
|----|-------------------|
| L  | 7.2mm +0.2/-0.5mm |
| H  | 6.5mm +0.1/-0.5mm |
| T  | 2.5mm +0.1/-0.5mm |
| S  | 5mm +/-0.4mm      |
| LL | 4mm +1.5mm        |
| F  | 0.5mm +/-0.05mm   |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 3000 |

### Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Capacitance           | 1,500 pF                           |
| 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% 100kHz |
| Insulation Resistance | 30 GOhms                           |
| Max dV/dt             | 400 V/us                           |
| Inductance            | 7 nH                               |

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