

## R82DC4100CK60K

Aliases (82DC4100CK60K)

R82, Film, Metallized Polyester Stacked, Automotive Grade, 1 uF, 10%, 63 VDC, 85°C, Lead Spacing = 5mm



Click [here](#) for the 3D model.

### Dimensions

|    |                 |
|----|-----------------|
| L  | 7.2mm +0.3mm    |
| H  | 10mm +0.1mm     |
| T  | 5mm +0.1mm      |
| S  | 5mm +0.6/-0.1mm |
| H0 | 18.5mm +/-0.5mm |
| F  | 0.5mm +/-0.05mm |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | T&R  |
| Packaging Quantity | 1200 |

### General Information

|                  |  |
|------------------|--|
| Series           | R82  |
| Dielectric       | Metallized Polyester Stacked                     |
| Style            | Radial   |
| Features         | Automotive Grade, DC Multipurpose Applications   |
| RoHS             | Yes  |
| Lead             | Wire Leads                                       |
| Qualifications   | AEC-Q200   |
| AEC-Q200         | Yes  |
| Component Weight | 0.72 g   |
| Miscellaneous    | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |                       |
|-----------------------|-----------------------|
| Capacitance           | 1 uF                  |
| Capacitance Tolerance | 10%                   |
| Voltage AC            | 40 VAC                |
| Voltage DC            | 63 VDC                |
| Temperature Range     | -55/+105°C            |
| Rated Temperature     | 85°C                  |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz |
| Insulation Resistance | 5 GOhms               |
| Max dV/dt             | 160 V/us              |
| Inductance            | 7 nH                  |

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