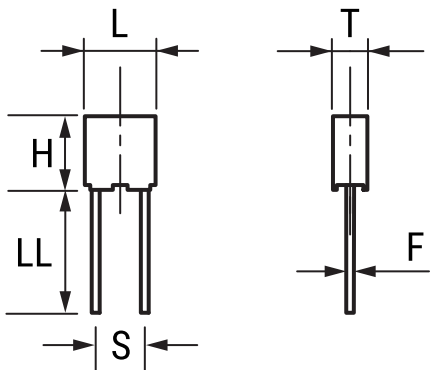


R82, Film, Metallized Polyester Stacked, Automotive Grade, 0.047 uF, 10%, 250 VDC, 85°C, Lead Spacing = 5mm



**Dimensions**

|    |                 |
|----|-----------------|
| L  | 7.2mm +0.3mm    |
| H  | 9.5mm +0.1mm    |
| T  | 4.5mm +0.1mm    |
| S  | 5mm +/-0.4mm    |
| LL | 17mm +1/-2mm    |
| F  | 0.5mm +/-0.05mm |

**Packaging Specifications**

|                     |           |
|---------------------|-----------|
| Packaging:          | Bulk, Bag |
| Packaging Quantity: | 2000      |

**General Information**

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Supplier:       | KEMET                                           |
| 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                                             |
| Miscellaneous:  | Above 85C DC And AC Voltage Derating Is 1.25%/C |

**Specifications**

|                        |                                       |
|------------------------|---------------------------------------|
| Capacitance:           | 0.047 uF                              |
| Capacitance Tolerance: | 10%                                   |
| Voltage AC:            | 160 VAC                               |
| Voltage DC:            | 250 VDC                               |
| Temperature Range:     | -55/+105C                             |
| Rated Temperature:     | 85°C                                  |
| Dissipation Factor:    | 0.80% 1kHz, 1.20% 10kHz, 2.50% 100kHz |
| Insulation Resistance: | 30 GOhms                              |
| Max dV/dt:             | 250 V/us                              |
| Inductance:            | 7 nH                                  |