

R82, Film, Metallized Polyester Stacked, Commercial Grade, 0.01 uF, 5%, 100 V, 85C, Lead Spacing = 5mm



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

| Packaging Specifications | |
|--------------------------|-----------|
| Packaging: | Bulk, Bag |
| Packaging Quantity: | 3000 |

| General Information | |
|---------------------|---|
| Supplier: | KEMET |
| Series: | R82 |
| Dielectric: | Metallized Polyester Stacked |
| Style: | Radial |
| Features: | Automotive Grade, DC Multipurpose Applications |
| RoHS: | Yes |
| Lead: | Cut |
| Approvals: | AEC-Q200 |
| AEC-Q200: | Yes |
| Miscellaneous: | Above 85C DC And AC Voltage Derating Is 1.25%/C |

| Specifications | |
|------------------------|------------------------------------|
| Capacitance: | 0.01 uF |
| Capacitance Tolerance: | 5% |
| Voltage DC: | 100 VDC |
| Voltage AC: | 63 VAC |
| Temperature Range: | -55/+105C |
| Rated Temperature: | 85C |
| Dissipation Factor: | 0.8% 1kHz, 1.2% 10kHz, 2.5% 100kHz |
| Insulation Resistance: | 15 GOhms |
| Max dVdt: | 200 V |
| Inductance: | 7 nH |