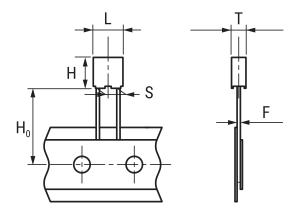


## R82IC1680DQ50J

Aliases (82IC1680DQ50J) R82, Film, Metallized Polyester Stacked, Automotive Grade, 6,800 pF, 5%, 250 VDC, 85°C, 5 mm



Click here for the 3D model.

| Dimensions |                   |
|------------|-------------------|
| L          | 7.2mm +0.2/-0.5mm |
| н          | 6.5mm +0.1/-0.5mm |
| т          | 2.5mm +0.1/-0.5mm |
| S          | 5mm +/-0.4mm      |
| НО         | 18.5mm +/-0.5mm   |
| F          | 0.5mm +/-0.05mm   |

## **Packaging Specifications**

Packaging Packaging Quantity

Ammo, 360x340x59mm, Box 3500

| General Information      |   |
|--------------------------|---|
| Series                   | R82   |
| Dielectric               | Metallized Polyester Stacked                      |
| Style                    | Radial  |
| Features                 | Automotive Grade, DC<br>Multipurpose Applications |
| RoHS                     | Yes   |
| Termination              | Tinned Wire                                       |
| Lead                     | Wire Leads  |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 0.214 g   |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C.  |

| Specifications        |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 6,800 pF                              |
| Tolerance             | 5%                                    |
| Voltage DC            | 250 VDC                               |
| Voltage AC            | 160 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             | 250 V/us                              |
| Inductance            | 7 nH                                  |

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