



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

### Dimensions

|    |                    |
|----|--------------------|
| L  | 18mm +/-0.5mm      |
| H  | 12.5mm +0.1/-0.5mm |
| T  | 9mm +0.2/-0.5mm    |
| S  | 15mm +/-0.4mm      |
| LL | 3.2mm +0.3/-0.2mm  |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1000      |

### General Information

|                  |                                 |
|------------------|---------------------------------|
| Series           | R76                             |
| Dielectric       | Double Metallized Polypropylene |
| Style            | Radial                          |
| Features         | Automotive Grade, Pulse         |
| RoHS             | Yes                             |
| Lead             | Cut                             |
| Qualifications   | AEC-Q200                        |
| AEC-Q200         | Yes                             |
| Component Weight | 2.36 g                          |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.018 uF                               |
| Capacitance Tolerance | 5%                                     |
| Voltage AC            | 650 VAC                                |
| Voltage DC            | 1600 VDC                               |
| Temperature Range     | -55/+110°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz   |
| Insulation Resistance | 100 GOhms                              |
| Max dV/dt             | 6000 V/us                              |
| Resistance            | 35.37 mOhms (100kHz)                   |
| Ripple Current        | 3.4 Amps (100kHz 85C), 108 Amps (Peak) |
| Inductance            | 10 nH                                  |