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#### General Information

|                          |  |
|--------------------------|--|
| Series                   | R74  |
| Dielectric               | Metallized Polypropylene                           |
| Style                    | Radial   |
| Features                 | Automotive Grade, Pulse                            |
| RoHS                     | Yes  |
| Termination              | Cut (Tinned Wire)                                  |
| Lead                     | Cut  |
| Qualifications           | AEC-Q200   |
| AEC-Q200                 | Yes  |
| Typical Component Weight | 1.817 g  |
| Miscellaneous            | Above 85°C DC And AC Voltage Derating Is 1.25%/°C. |
| Notes                    | Series Replaced by R75.                            |

#### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 5,600 pF                               |
| Tolerance             | 5%                                     |
| Voltage DC            | 2000 VDC                               |
| Voltage AC            | 700 VAC                                |
| Temperature Range     | -55/+105°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.01% 1kHz, 0.02% 10kHz, 0.08% 100kHz  |
| Insulation Resistance | 100 GOhms                              |
| Max dV/dt             | 9,500 V/us                             |
| ESR                   | 113.7 mOhms (100kHz)                   |
| Ripple Current        | 1.8 Amps (100kHz 85°C), 53 Amps (Peak) |
| Inductance            | 10 nH                                  |

#### Dimensions

|    |                   |
|----|-------------------|
| L  | 18mm +0.3/-0.5mm  |
| H  | 12mm +0.1/-0.5mm  |
| T  | 6mm +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 | 1750      |

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