



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

#### General Information

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

#### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 8,200 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                   | 77.6 mOhms (100kHz)                   |
| Ripple Current        | 2.3 Amps (100kHz 85C), 78 Amps (Peak) |
| Inductance            | 10 nH                                 |

#### Dimensions

|    |                    |
|----|--------------------|
| L  | 18mm +/-0.5mm      |
| H  | 13.5mm +0.1/-0.5mm |
| T  | 7.5mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm      |
| LL | 18mm +/-1mm        |
| F  | 0.8mm +/-0.05mm    |

#### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 700       |

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