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#### 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           | 0.018 uF                              |
| Tolerance             | 10%                                   |
| Voltage DC            | 630 VDC                               |
| Voltage AC            | 250 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             | 300 V/us                              |
| ESR                   | 35.4 mOhms (100kHz)                   |
| Ripple Current        | 2.8 Amps (100kHz 85C), 5 Amps (Peak)  |
| Inductance            | 9 nH                                  |

#### Dimensions

|    |                  |
|----|------------------|
| L  | 13mm +0.2/-0.5mm |
| H  | 11mm +0.1/-0.5mm |
| T  | 5mm +0.2/-0.5mm  |
| S  | 10mm +0.6/-0.1mm |
| H0 | 18.5mm +/-0.5mm  |
| F  | 0.6mm +/-0.05mm  |

#### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, Large |
| Packaging Quantity | 1250       |

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