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**General Information**

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | R76                             |
| Dielectric               | Double Metallized Polypropylene |
| Style                    | Radial                          |
| Features                 | Automotive Grade, Pulse         |
| RoHS                     | Yes                             |
| Termination              | Tinned Wire                     |
| Lead                     | Wire Leads                      |
| Qualifications           | AEC-Q200                        |
| AEC-Q200                 | Yes                             |
| Typical Component Weight | 2.14 g                          |

**Dimensions**

|                |                  |
|----------------|------------------|
| L              | 18mm +0.3/-0.5mm |
| H              | 12mm +0.1/-0.5mm |
| T              | 6mm +0.2/-0.5mm  |
| S              | 15mm +/-0.4mm    |
| H <sub>0</sub> | 18.5mm +/-0.5mm  |
| F              | 0.8mm +/-0.05mm  |

**Specifications**

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.033 uF                              |
| Tolerance             | 5%                                    |
| Voltage DC            | 630 VDC                               |
| Voltage AC            | 400 VAC                               |
| 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             | 3,000 V/us                            |
| ESR                   | 19.29 mOhms (100kHz)                  |
| Ripple Current        | 4.3 Amps (100kHz 85C), 99 Amps (Peak) |
| Inductance            | 10 nH                                 |

**Packaging Specifications**

|                    |     |
|--------------------|-----|
| Packaging          | T&R |
| Packaging Quantity | 500 |

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