

## R75QN3150CK00J

Aliases (75QN3150CK00J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.15 uF, 5%, 1,000 VDC, 85°C, 22.5 mm



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### General Information

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

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 18.5mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, Large |
| Packaging Quantity | 350        |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.15 uF                                 |
| Tolerance             | 5%                                      |
| Voltage DC            | 1000 VDC                                |
| Voltage AC            | 300 VAC                                 |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                 |
| Insulation Resistance | 100 GOhms                               |
| Max dV/dt             | 800 V/us                                |
| ESR                   | 18 mOhms (100kHz)                       |
| Ripple Current        | 5.57 Amps (100kHz 85C), 120 Amps (Peak) |
| Inductance            | 16 nH                                   |

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