

## R75TN3100AA30J

Aliases (75TN3100AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 1,600 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              | Cut (Tinned Wire)                                |
| Lead                     | Cut  |
| Qualifications           | AEC-Q200   |
| Typical Component Weight | 9.585 g  |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 22mm +0.1/-0.5mm   |
| T  | 13mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 4mm +2mm           |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 300       |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.1 uF                                  |
| Tolerance             | 5%                                      |
| Voltage DC            | 1600 VDC                                |
| Voltage AC            | 650 VAC                                 |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz   |
| Insulation Resistance | 100 GOhms                               |
| Max dV/dt             | 3,000 V/us                              |
| ESR                   | 11.1 mOhms (100kHz)                     |
| Ripple Current        | 7.56 Amps (100kHz 85C), 300 Amps (Peak) |
| Inductance            | 16 nH                                   |

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