

## R75PN35605030K

Aliases (75PN35605030K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.56 uF, 10%, 630 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   |
| AEC-Q200       | Yes  |
| Miscellaneous  | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 20mm +0.1/-0.5mm   |
| T  | 11mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 25mm +2/-1mm       |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 250       |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.56 uF                                |
| Tolerance             | 10%                                    |
| Voltage DC            | 630 VDC                                |
| Voltage AC            | 250 VAC                                |
| Temperature Range     | -55/+105°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                |
| Insulation Resistance | 53.5714 GOhms                          |
| Max dV/dt             | 400 V/us                               |
| ESR                   | 11.4 mOhms (100kHz)                    |
| Ripple Current        | 7.2 Amps (100kHz 85C), 224 Amps (Peak) |
| Inductance            | 16 nH                                  |

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