

R75GD2820AA40J

Aliases (75GD2820AA40J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.082 uF, 5%, 160 VDC, 85°C, 7.5 mm



Click [here](#) for the 3D model.

General Information

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

Dimensions

| | |
|----|------------------|
| L | 10mm +0.2/-0.5mm |
| H | 9mm +0.1/-0.5mm |
| T | 4mm +0.1/-0.5mm |
| S | 7.5mm +/-0.4mm |
| LL | 4mm +2mm |
| F | 0.5mm +/-0.05mm |

Packaging Specifications

| | |
|--------------------|------|
| Packaging | Bulk |
| Packaging Quantity | 2000 |

Specifications

| | |
|-----------------------|---------------------------------------|
| Capacitance | 0.082 uF |
| Tolerance | 5% |
| Voltage DC | 160 VDC |
| Voltage AC | 90 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 | 310 V/us |
| ESR | 13.6 mOhms (100kHz) |
| Ripple Current | 4.1 Amps (100kHz 85C), 25 Amps (Peak) |
| Inductance | 8 nH |

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