

R75GF2820JE00J

Aliases (75GF2820JE00J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.082 uF, 5%, 160 VDC, 85°C, Lead Spacing = 10mm



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

Dimensions

| | |
|----|------------------|
| L | 13mm +0.2/-0.5mm |
| H | 9mm +0.1/-0.5mm |
| T | 4mm +0.2/-0.5mm |
| S | 10mm +/-0.4mm |
| LL | 4mm +0.5mm |
| F | 0.6mm +/-0.05mm |

Packaging Specifications

| | |
|--------------------|-----------|
| Packaging | Bulk, Bag |
| Packaging Quantity | 2000 |

General Information

| | |
|------------------|--|
| Series | R75 |
| Dielectric | Metallized Polypropylene |
| Style | Radial |
| Features | Automotive Grade, Pulse |
| RoHS | Yes |
| Lead | Cut |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Component Weight | 0.701 g |
| Miscellaneous | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

Specifications

| | |
|-----------------------|--|
| Capacitance | 0.082 uF |
| Capacitance Tolerance | 5% |
| Voltage AC | 90 VAC |
| Voltage DC | 160 VDC |
| 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 | 180 V/us |
| Resistance | 19.4 mOhms (100kHz) |
| Ripple Current | 3.62 Amps (100kHz 85C), 16 Amps (Peak) |
| Inductance | 9 nH |