

R75GD3180AA30K

Aliases (75GD3180AA30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.18 uF, 10%, 160 VDC, 85°C, Lead Spacing = 7.5mm



Click here for the 3D model.

| Dimensions | |
|------------|--------------------|
| L | 10.5mm +0.2/-0.5mm |
| Н | 12mm +0.1/-0.5mm |
| Т | 6mm +0.1/-0.5mm |
| S | 7.5mm +/-0.4mm |
| LL | 4mm +2mm |
| F | 0.5mm +/-0.05mm |

| Packaging Specifications | | |
|--------------------------|------|--|
| Packaging | Bulk | |
| Packaging Quantity | 1000 | |

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

| Specifications | |
|-----------------------|--|
| Capacitance | 0.18 uF |
| Capacitance Tolerance | 10% |
| Voltage AC | 90 VAC |
| Voltage DC | 160 VDC |
| Temperature Range | -55/+105°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 0.05% 1kHz, 0.08% 10kHz |
| Insulation Resistance | 100 GOhms |
| Max dV/dt | 300 V/us |
| Resistance | 10.6 mOhms (100kHz) |
| Ripple Current | 5.21 Amps (100kHz 85C), 56 Amps (Peak) |
| Inductance | 8 nH |

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