

R75GD3120DQB0K

Aliases (75GD3120DQB0K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.12 uF, 10%, 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 | Tinned Wire |
| Lead | Wire Leads |
| Qualifications | AEC-Q200 |
| Miscellaneous | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

Dimensions

| | |
|----|--------------------|
| L | 10mm +0.2/-0.5mm |
| H | 10.5mm +0.1/-0.5mm |
| T | 5mm +0.1/-0.5mm |
| S | 7.5mm +/-0.4mm |
| H0 | 18.5mm +/-0.5mm |
| F | 0.5mm +/-0.05mm |

Packaging Specifications

| | |
|--------------------|-------------------------|
| Packaging | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 1600 |

Specifications

| | |
|-----------------------|----------------------------------------|
| Capacitance | 0.12 uF |
| Tolerance | 10% |
| Voltage DC | 160 VDC |
| Voltage AC | 70 VAC |
| Temperature Range | -55/+105°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 0.05% 1kHz, 0.08% 10kHz |
| Insulation Resistance | 100 GOhms |
| Max dV/dt | 100 V/us |
| ESR | 9.3 mOhms (100kHz) |
| Ripple Current | 5.25 Amps (100kHz 85C), 12 Amps (Peak) |
| Inductance | 8 nH |

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