

R75GC3100AA40J

Aliases (75GC3100AA40J)

R75, Film, Metallized Polypropylene, General Purpose, 0.1 uF, 5%, 160 VDC, 85°C, Lead Spacing = 5mm



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

Dimensions

| | |
|----|-------------------|
| L | 7.2mm +0.3/-0.5mm |
| H | 10mm +0.1/-0.5mm |
| T | 5mm +0.1/-0.5mm |
| S | 5mm +/-0.4mm |
| LL | 4mm +1.5mm |
| 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 |
| AEC-Q200 | No |
| Component Weight | 0.7 g |
| Miscellaneous | Above 85C DC voltage derating is 2%/C and AC voltage derating is 1.25%/C. |

Specifications

| | |
|-----------------------|---|
| Capacitance | 0.1 uF |
| Capacitance Tolerance | 5% |
| Voltage AC | 70 VAC |
| Voltage DC | 160 VDC |
| Temperature Range | -55/+105°C |
| Rated Temperature | 85°C |
| Insulation Resistance | 100 GOhms |
| Max dV/dt | 100 V/us |
| Resistance | 47.75 mOhms (100kHz) |
| Ripple Current | 2.159 Amps (100kHz 85C), 10 Amps (Peak) |
| Inductance | 7 nH |