

## R75GD3150AAB0J

Aliases (75GD3150AAB0J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.15 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                                         |
| 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     |
| LL | 4mm +2mm           |
| F  | 0.5mm +/-0.05mm    |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 1500 |

### Specifications

|                       |                                        |
|-----------------------|----------------------------------------|
| Capacitance           | 0.15 uF                                |
| Tolerance             | 5%                                     |
| 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                   | 7.4 mOhms (100kHz)                     |
| Ripple Current        | 5.87 Amps (100kHz 85C), 15 Amps (Peak) |
| Inductance            | 8 nH                                   |

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