

## R75II3680JE40K

Aliases (75II3680JE40K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.68 uF, 10%, 250 VDC, 85°C, 15 mm



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### General Information

|                          |  |
|--------------------------|--|
| Series                   | R75  |
| Dielectric               | Metallized Polypropylene                         |
| Style                    | Radial   |
| Features                 | Automotive Grade, Pulse                          |
| RoHS                     | Yes  |
| Termination              | Cut (Tinned Wire)                                |
| Lead                     | Cut  |
| Qualifications           | AEC-Q200   |
| Typical Component Weight | 3.143 g  |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 18mm +/-0.5mm      |
| H  | 14.5mm +0.1/-0.5mm |
| T  | 8.5mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm      |
| LL | 4mm +0.5mm         |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1000      |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.68 uF                                 |
| Tolerance             | 10%                                     |
| Voltage DC            | 250 VDC                                 |
| Voltage AC            | 160 VAC                                 |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                 |
| Insulation Resistance | 44.1176 GOhms                           |
| Max dV/dt             | 310 V/us                                |
| ESR                   | 7 mOhms (100kHz)                        |
| Ripple Current        | 7.72 Amps (100kHz 85C), 211 Amps (Peak) |
| Inductance            | 10 nH                                   |

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