

## R60IN3680AA30K

Aliases (60IN3680AA30K)

R60, Film, Metallized Polyester, Automotive Grade, 0.68 uF, 10%, 250 VDC, 85°C, 22.5 mm



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### General Information

|                          |   |
|--------------------------|---|
| Series                   | R60   |
| Dielectric               | Metallized Polyester  |
| Style                    | Radial  |
| Features                 | Automotive Grade, DC Multipurpose Applications  |
| RoHS                     | Yes   |
| Termination              | Cut (Tinned Wire)   |
| Lead                     | Cut   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 3.22 g  |
| Miscellaneous            | Upper Operating Temperature Of 125C Is Allowed For A Maximum Operating Time Of 1,000 Hours. Above 85C, DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 15mm +0.1/-0.5mm   |
| T  | 6mm +0.2/-0.5mm    |
| S  | 22.5mm +/-0.4mm    |
| LL | 4mm +1.5mm         |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 805       |

### 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    | 1% 1kHz    |
| Insulation Resistance | 10 GOhms   |
| Max dV/dt             | 8 V/us     |
| Inductance            | 18 nH      |

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