

## R82EC3680JH70K

Aliases (82EC3680JH70K)

R82, Film, Metallized Polyester Stacked, Automotive Grade, 0.68 uF, 10%, 100 VDC, 85°C, 5 mm



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

### General Information

|                |  |
|----------------|--|
| Series         | R82  |
| Dielectric     | Metallized Polyester Stacked                     |
| Style          | Radial   |
| Features       | Automotive Grade, DC Multipurpose Applications   |
| RoHS           | Yes  |
| Termination    | Cut (Tinned Wire)                                |
| Lead           | Cut  |
| Qualifications | AEC-Q200   |
| AEC-Q200       | Yes  |
| Miscellaneous  | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |                       |
|-----------------------|-----------------------|
| Capacitance           | 0.68 uF               |
| Tolerance             | 10%                   |
| Voltage DC            | 100 VDC               |
| Voltage AC            | 63 VAC                |
| Temperature Range     | -55/+105°C            |
| Rated Temperature     | 85°C                  |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz |
| Insulation Resistance | 7.3529 GOhms          |
| Max dV/dt             | 200 V/us              |
| Inductance            | 7 nH                  |

### 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 | 3.2mm +0.3/-0.2mm |
| F  | 0.5mm +/-0.05mm   |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 1000 |

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