

## R60EI3680GY30K

Aliases (60EI3680GY30K)

R60, Film, Metallized Polyester, Automotive Grade, 0.68 uF, 10%, 100 VDC, 85°C, 15 mm



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

### General Information

|                |                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Series         | R60                                                                                                                                           |
| Dielectric     | Metallized Polyester                                                                                                                          |
| Style          | Radial                                                                                                                                        |
| Features       | Automotive Grade, DC Multipurpose Applications                                                                                                |
| RoHS           | Yes                                                                                                                                           |
| Termination    | Tinned Wire                                                                                                                                   |
| Lead           | Wire Leads                                                                                                                                    |
| Qualifications | AEC-Q200                                                                                                                                      |
| AEC-Q200       | Yes                                                                                                                                           |
| 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  | 18mm +0.3/-0.5mm |
| H  | 11mm +0.1/-0.5mm |
| T  | 5mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm  |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 355mm |
| Packaging Quantity | 600        |

### 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    | 1% 1kHz      |
| Insulation Resistance | 1.8382 GOhms |
| Max dV/dt             | 3 V/us       |
| Inductance            | 10 nH        |

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