

## R76MI2680JB30K

Aliases (76MI2680JB30K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.068  $\mu$ F, 10%, 400 VDC, 85°C, 15 mm



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

### General Information

|                |                                 |
|----------------|---------------------------------|
| Series         | R76                             |
| Dielectric     | Double Metallized Polypropylene |
| Style          | Radial                          |
| Features       | Automotive Grade, Pulse         |
| RoHS           | Yes                             |
| Termination    | Cut (Tinned Wire)               |
| Lead           | Cut                             |
| Qualifications | AEC-Q200                        |
| AEC-Q200       | Yes                             |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +0.3/-0.5mm |
| H  | 12mm +0.1/-0.5mm |
| T  | 6mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm    |
| LL | 3.5mm +0.5mm     |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1750      |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.068 $\mu$ F                         |
| Tolerance             | 10%                                   |
| Voltage DC            | 400 VDC                               |
| Voltage AC            | 250 VAC                               |
| Temperature Range     | -55/+110°C                            |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz  |
| Insulation Resistance | 100 GOhms                             |
| Max dV/dt             | 900 V/us                              |
| ESR                   | 16.38 mOhms (100kHz)                  |
| Ripple Current        | 4.7 Amps (100kHz 85C), 61 Amps (Peak) |
| Inductance            | 10 nH                                 |

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