

## R76PI2560JB30K

Aliases (76PI2560JB30K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.056  $\mu$ F, 10%, 630 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                             |
| Typical Component Weight | 2.3 g                           |

### Dimensions

|    |                         |
|----|-------------------------|
| L  | 18mm $\pm$ 0.5mm        |
| H  | 13.5mm $\pm$ 0.1/-0.5mm |
| T  | 7.5mm $\pm$ 0.2/-0.5mm  |
| S  | 15mm $\pm$ 0.4mm        |
| LL | 3.5mm $\pm$ 0.5mm       |
| F  | 0.8mm $\pm$ 0.05mm      |

### Packaging Specifications

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

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.056 $\mu$ F                          |
| Tolerance             | 10%                                    |
| Voltage DC            | 630 VDC                                |
| Voltage AC            | 400 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             | 3,000 V/us                             |
| ESR                   | 19.89 mOhms (100kHz)                   |
| Ripple Current        | 4.5 Amps (100kHz 85C), 168 Amps (Peak) |
| Inductance            | 10 nH                                  |

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