

## R76TN2680SE40J

Aliases (76TN2680SE40J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.068  $\mu$ F, 5%, 1,600 VDC, 85°C, 22.5 mm



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### 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  | 26.5mm +0.3/-0.5mm |
| H  | 18.5mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 4mm +2mm           |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 396       |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.068 $\mu$ F                           |
| Tolerance             | 5%                                      |
| Voltage DC            | 1600 VDC                                |
| Voltage AC            | 650 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                   | 16.38 mOhms (100kHz)                    |
| Ripple Current        | 5.8 Amps (100kHz 85°C), 204 Amps (Peak) |
| Inductance            | 16 nH                                   |

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