

## R76MD1680SE40J

Aliases (76MD1680SE40J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 6,800 pF, 5%, 400 VDC, 85°C, 7.5 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                             |
| Typical Component Weight | 0.47 g                          |

### Dimensions

|    |                  |
|----|------------------|
| L  | 10mm +0.2/-0.5mm |
| H  | 9mm +0.1/-0.5mm  |
| T  | 4mm +0.1/-0.5mm  |
| S  | 7.5mm +/-0.4mm   |
| LL | 4mm +2mm         |
| F  | 0.6mm +/-0.05mm  |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 2000 |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 6,800 pF                              |
| Tolerance             | 5%                                    |
| 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             | 1,700 V/us                            |
| ESR                   | 93.62 mOhms (100kHz)                  |
| Ripple Current        | 1.1 Amps (100kHz 85C), 12 Amps (Peak) |
| Inductance            | 8 nH                                  |

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