

## R76MN3680SE30J

Aliases (76MN3680SE30J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.68 uF, 5%, 400 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                             |
| Typical Component Weight | 9.2 g                           |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 22mm +0.1/-0.5mm   |
| T  | 13mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 4mm +2mm           |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 300       |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.68 uF                                 |
| Tolerance             | 5%                                      |
| Voltage DC            | 400 VDC                                 |
| Voltage AC            | 250 VAC                                 |
| Temperature Range     | -55/+110°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.03% 1kHz, 0.06% 10kHz                 |
| Insulation Resistance | 44.1176 GOhms                           |
| Max dV/dt             | 500 V/us                                |
| ESR                   | 4.68 mOhms (100kHz)                     |
| Ripple Current        | 11.7 Amps (100kHz 85C), 340 Amps (Peak) |
| Inductance            | 16 nH                                   |

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