

## R76QI22705050J

Aliases (76QI22705050J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.027  $\mu$ F, 5%, 1,000 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              | Tinned Wire                     |
| Lead                     | Wire Leads                      |
| Qualifications           | AEC-Q200                        |
| AEC-Q200                 | Yes                             |
| Typical Component Weight | 1.95 g                          |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +0.3/-0.5mm |
| H  | 12mm +0.1/-0.5mm |
| T  | 6mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm    |
| LL | 25mm +2/-1mm     |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 900       |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.027 $\mu$ F                         |
| Tolerance             | 5%                                    |
| Voltage DC            | 1000 VDC                              |
| Voltage AC            | 600 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             | 3,500 V/us                            |
| ESR                   | 23.58 mOhms (100kHz)                  |
| Ripple Current        | 3.9 Amps (100kHz 85C), 95 Amps (Peak) |
| Inductance            | 10 nH                                 |

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