

## R76QF1270CK00J

Aliases (76QF1270CK00J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 2,700 pF, 5%, 1,000 VDC, 85°C, 10 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                             |

### Specifications

|                       |                                      |
|-----------------------|--------------------------------------|
| Capacitance           | 2,700 pF                             |
| 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             | 6,500 V/us                           |
| ESR                   | 235.79 mOhms (100kHz)                |
| Ripple Current        | 1 Amps (100kHz 85C), 18 Amps (Peak)  |
| Inductance            | 9 nH                                 |

### Dimensions

|    |                  |
|----|------------------|
| L  | 13mm +0.2/-0.5mm |
| H  | 9mm +0.1/-0.5mm  |
| T  | 4mm +0.2/-0.5mm  |
| S  | 10mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm  |
| F  | 0.6mm +/-0.05mm  |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, Large |
| Packaging Quantity | 1500       |

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