

## R76QF0680DQ00K

Aliases (76QF0680DQ00K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 680 pF, 10%, 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           | 680 pF                               |
| Tolerance             | 10%                                  |
| 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                   | 936.21 mOhms (100kHz)                |
| Ripple Current        | 0.3 Amps (100kHz 85C), 4 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          | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 1000                    |

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