

R76QD0680CK40J

Aliases (76QD0680CK40J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 680 pF, 5%, 1000 VDC, 85°C, Lead Spacing = 7.5mm



Click [here](#) for the 3D model.

Dimensions

| | |
|----|------------------|
| L | 10mm +0.2/-0.5mm |
| H | 9mm +0.1/-0.5mm |
| T | 4mm +0.1/-0.5mm |
| S | 7.5mm +/-0.4mm |
| H0 | 18.5mm +/-0.5mm |
| F | 0.6mm +/-0.05mm |

Packaging Specifications

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

General Information

| | |
|------------------|---------------------------------|
| Series | R76 |
| Dielectric | Double Metallized Polypropylene |
| Style | Radial |
| Features | Automotive Grade, Pulse |
| RoHS | Yes |
| Lead | Wire Leads |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Component Weight | 0.567 g |

Specifications

| | |
|-----------------------|--------------------------------------|
| Capacitance | 680 pF |
| Capacitance Tolerance | 5% |
| Voltage AC | 400 VAC |
| Voltage DC | 1000 VDC |
| 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 | 6000 V/us |
| Resistance | 936.21 mOhms (100kHz) |
| Ripple Current | 0.2 Amps (100kHz 85C), 4 Amps (Peak) |
| Inductance | 8 nH |