

## R76ID1680CK30J

Aliases (76ID1680CK30J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 6800 pF, 5%, 250 VDC, 85°C, Lead Spacing = 7.5mm



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

### Dimensions

L	10mm +0.2/-0.5mm
H	8mm +0.1/-0.5mm
T	3mm +0.1/-0.5mm
S	7.5mm +/-0.4mm
H <sub>0</sub>	18.5mm +/-0.5mm
F	0.5mm +/-0.05mm

### Packaging Specifications

Packaging	T&R
Packaging Quantity	2100

### 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

### Specifications

Capacitance	6800 pF
Capacitance Tolerance	5%
Voltage AC	180 VAC
Voltage DC	250 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	1100 V/us
Resistance	93.62 mOhms (100kHz)
Ripple Current	0.8 Amps (100kHz 85C), 7 Amps (Peak)
Inductance	8 nH