

## R76PI2680CK30K

Aliases (76PI2680CK30K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.068  $\mu$ F, 10%, 630 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

### Specifications

Capacitance	0.068 $\mu$ F
Tolerance	10%
Voltage DC	630 VDC
Voltage AC	400 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	3,000 V/us
ESR	16.38 mOhms (100kHz)
Ripple Current	5.1 Amps (100kHz 85C), 204 Amps (Peak)
Inductance	10 nH

### Dimensions

L	18mm +/-0.5mm
H	14.5mm +0.1/-0.5mm
T	8.5mm +0.2/-0.5mm
S	15mm +/-0.4mm
H <sub>0</sub>	18.5mm +/-0.5mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	T&R, Large
Packaging Quantity	700

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