

## R76TN3100CK40K

Aliases (76TN3100CK40K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.1 uF, 10%, 1,600 VDC, 85°C, 22.5 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
Typical Component Weight	3.629 g

### Dimensions

L	26.5mm +0.3/-0.5mm
H	20mm +0.1/-0.5mm
T	11mm +0.2/-0.5mm
S	22.5mm +/-0.4mm
H0	18.5mm +/-0.5mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	T&R, Large
Packaging Quantity	350

### Specifications

Capacitance	0.1 uF
Tolerance	10%
Voltage DC	1600 VDC
Voltage AC	650 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	11.14 mOhms (100kHz)
Ripple Current	7.3 Amps (100kHz 85C), 300 Amps (Peak)
Inductance	16 nH

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