

# R75QI2270CK00K

Aliases (75QI2270CK00K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.027 uF, 10%, 1,000 VDC, 85°C, 15 mm



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## General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Tinned Wire
Lead	Wire Leads
Qualifications	AEC-Q200
Typical Component Weight	2.45 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

## Dimensions

L	18mm +0.3/-0.5mm
H	12mm +0.1/-0.5mm
T	6mm +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	1000

## Specifications

Capacitance	0.027 uF
Tolerance	10%
Voltage DC	1000 VDC
Voltage AC	300 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz
Insulation Resistance	100 GOhms
Max dV/dt	2,000 V/us
ESR	41.3 mOhms (100kHz)
Ripple Current	2.94 Amps (100kHz 85C), 54 Amps (Peak)
Inductance	10 nH

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