

## R75PN4100AA30K

Aliases (75PN4100AA30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 1 uF, 10%, 630 VDC, 85°C, 22.5 mm



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

### General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Cut (Tinned Wire)
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	14.1 g
Miscellaneous	Above 85C DC voltage derating is 2%/C and AC voltage derating is 1.25%/C .

### Dimensions

L	26.5mm +0.3/-0.5mm
H	29.5mm +0.1/-0.5mm
T	14.5mm +0.2/-0.5mm
S	22.5mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	264

### Specifications

Capacitance	1 uF
Tolerance	10%
Voltage DC	630 VDC
Voltage AC	250 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.05% 1kHz, 0.08% 10kHz
Insulation Resistance	30 GOhms
Max dV/dt	400 V/us
ESR	8 mOhms (100kHz)
Ripple Current	9.602 Amps (100kHz 85C), 400 Amps (Peak)
Inductance	16 nH

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