

## R75TI2270AA30J

Aliases (75TI2270AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.027 uF, 5%, 1,600 VDC, 85°C, 15 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	4.029 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

### Specifications

Capacitance	0.027 uF
Tolerance	5%
Voltage DC	1600 VDC
Voltage AC	650 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	6,000 V/us
ESR	29.5 mOhms (100kHz)
Ripple Current	3.92 Amps (100kHz 85C), 162 Amps (Peak)
Inductance	10 nH

### Dimensions

L	18mm +/-0.5mm
H	16mm +0.1/-0.5mm
T	10mm +0.2/-0.5mm
S	15mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	750

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