

R75MF2270AA30K

Aliases (75MF2270AA30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.027 uF, 10%, 400 VDC, 85°C, 10 mm



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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
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

Dimensions

L	13mm +0.2/-0.5mm
H	9mm +0.1/-0.5mm
T	4mm +0.2/-0.5mm
S	10mm +/-0.4mm
LL	4mm +2mm
F	0.6mm +/-0.05mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	2000

Specifications

Capacitance	0.027 uF
Tolerance	10%
Voltage DC	400 VDC
Voltage AC	220 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	1,300 V/us
ESR	41.3 mOhms (100kHz)
Ripple Current	2.48 Amps (100kHz 85C), 35 Amps (Peak)
Inductance	9 nH

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