

R75GD3180AAA0K

Aliases (75GD3180AAA0K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.18 uF, 10%, 160 VDC, 85°C, 7.5 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	10.5mm +0.2/-0.5mm
H	12mm +0.1/-0.5mm
T	6mm +0.1/-0.5mm
S	7.5mm +/-0.4mm
LL	4mm +2mm
F	0.5mm +/-0.05mm

Packaging Specifications

Packaging	Bulk
Packaging Quantity	1000

Specifications

Capacitance	0.18 uF
Tolerance	10%
Voltage DC	160 VDC
Voltage AC	70 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.05% 1kHz, 0.08% 10kHz
Insulation Resistance	100 GOhms
Max dV/dt	100 V/us
ESR	10.6 mOhms (100kHz)
Ripple Current	5.21 Amps (100kHz 85C), 18 Amps (Peak)
Inductance	8 nH

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