

R75GF3180AA00J

Aliases (75GF3180AA00J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.18 uF, 5%, 160 VDC, 85°C, Lead Spacing = 10mm



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

Dimensions

L	13mm +0.2/-0.5mm
H	12mm +0.1/-0.5mm
T	6mm +0.2/-0.5mm
S	10mm +/-0.4mm
LL	4mm +2mm
F	0.6mm +/-0.05mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	1000

General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	1.281 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

Specifications

Capacitance	0.18 uF
Capacitance Tolerance	5%
Voltage AC	90 VAC
Voltage DC	160 VDC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.05% 1kHz, 0.08% 10kHz
Insulation Resistance	100 GOhms
Max dV/dt	180 V/us
Resistance	13.3 mOhms (100kHz)
Ripple Current	4.86 Amps (100kHz 85C), 36 Amps (Peak)
Inductance	9 nH