

## R75GC3180AA40J

Aliases (75GC3180AA40J)

R75, Film, Metallized Polypropylene, General Purpose, 0.18 uF, 5%, 160 VDC, 85°C, Lead Spacing = 5mm



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

### Dimensions

L	7.2mm +0.3/-0.5mm
H	13mm +0.1/-0.5mm
T	7.2mm +0.1/-0.5mm
S	5mm +/-0.4mm
LL	4mm +1.5mm
F	0.5mm +/-0.05mm

### Packaging Specifications

Packaging	Bulk
Packaging Quantity	1500

### General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Lead	Cut
AEC-Q200	No
Component Weight	1.08 g
Miscellaneous	Above 85C DC voltage derating is 2%/C and AC voltage derating is 1.25%/C.

### Specifications

Capacitance	0.18 uF
Capacitance Tolerance	5%
Voltage AC	70 VAC
Voltage DC	160 VDC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Insulation Resistance	100 GOhms
Max dV/dt	100 V/us
Resistance	44.21 mOhms (100kHz)
Ripple Current	2.497 Amps (100kHz 85C), 18 Amps (Peak)
Inductance	7 nH