

R75GN4180AA00K

Aliases (75GN4180AA00K)

R75, Film, Metallized Polypropylene, Automotive Grade, 1.8 uF, 10%, 160 VDC, 85°C, 22.5 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
Typical Component Weight	6.57 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

Specifications

Capacitance	1.8 uF
Tolerance	10%
Voltage DC	160 VDC
Voltage AC	90 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.06% 1kHz
Insulation Resistance	16.6667 GOhms
Max dV/dt	70 V/us
ESR	8.8 mOhms (100kHz)
Ripple Current	7.95 Amps (100kHz 85C), 126 Amps (Peak)
Inductance	16 nH

Dimensions

L	26.5mm +0.3/-0.5mm
H	18.5mm +0.1/-0.5mm
T	10mm +0.2/-0.5mm
S	22.5mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	396

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