

## R74512180AA00K

Aliases (745I2180AA00K)

## Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 0.018 uF, 10%, 1600 VDC, 85°C, Lead Spacing = 15mm



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Dimensions	,
L	18mm +/-0.5mm
Н	14.5mm +0.1/-0.5mm
Т	8.5mm +0.2/-0.5mm
S	15mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications		
Packaging	Bulk, Bag	
Packaging Quantity	1000	

General Information		
Series	R74	
Dielectric	Metallized Polypropylene	
Style	Radial	
Features	Automotive Grade, Pulse	
RoHS	Yes	
Lead	Cut	
Qualifications	AEC-Q200	
AEC-Q200	Yes	
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.	
Notes	Series Replaced by R75.	

Specifications		
Capacitance	0.018 uF	
Capacitance Tolerance	10%	
Voltage AC	500 VAC	
Voltage DC	1600 VDC	
Temperature Range	-55/+105°C	
Rated Temperature	85°C	
Dissipation Factor	0.01% 1kHz, 0.02% 10kHz, 0.08% 100kHz	
Insulation Resistance	100 GOhms	
Max dV/dt	4500 V/us	
Resistance	35.4 mOhms (100kHz)	
Ripple Current	3.4 Amps (100kHz 85C), 81 Amps (Peak)	
Inductance	10 nH	

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