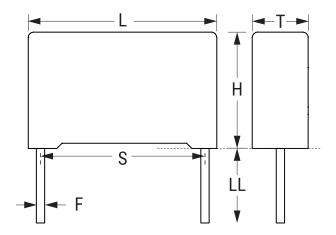


R745I2180AA00K

Aliases (74512180AA00K) Not for New Design R74, Film, Metallized Polypropylene, Automotive Grade, 0.018 uF, 10%, 1,600 VDC, 85°C, 15 mm



Click here for the 3D model.

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

Bulk, Bag

Packaging Specifications Packaging

Packaging Quantity 1000

General Information	
Series	R74
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.
Notes	Series Replaced by R75.

Specifications	
Capacitance	0.018 uF
Tolerance	10%
Voltage DC	1600 VDC
Voltage AC	500 VAC
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	4,500 V/us
ESR	35.4 mOhms (100kHz)
Ripple Current	3.4 Amps (100kHz 85C), 81 Amps (Peak)
Inductance	10 nH

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