

## R745I1680AA00K

Aliases (745I1680AA00K)

## Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 6800 pF, 10%, 1600 VDC, 85°C, Lead Spacing = 15mm



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Dimensions	
L	18mm +0.3/-0.5mm
Н	12mm +0.1/-0.5mm
Т	6mm +0.2/-0.5mm
S	15mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications		
Packaging	Bulk, Bag	
Packaging Quantity	1750	

General Information	
Series	R74
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	1.821 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.
Notes	Series Replaced by R75.

Specifications	
Capacitance	6800 pF
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	93.6 mOhms (100kHz)
Ripple Current	2 Amps (100kHz 85C), 31 Amps (Peak)
Inductance	10 nH

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