

**KEMET Part Number: R74NI1680AA00K**  
(74NI1680AA00K)

**KEMET**

a YAGEO company

R74, Film, Metallized Polypropylene, Automotive Grade, 6800 pF, 10%, 1300 VDC, 85°C, Lead Spacing = 15mm



### General Information

<b>Series:</b>	R74
<b>Dielectric:</b>	Metallized Polypropylene
<b>Style:</b>	Radial
<b>Features:</b>	Automotive Grade, Pulse
<b>RoHS:</b>	Yes
<b>Lead:</b>	Cut
<b>Qualifications:</b>	AEC-Q200
<b>AEC-Q200:</b>	Yes
<b>Miscellaneous:</b>	Above 85C DC And AC Voltage Derating Is 1.25%/C.

### Dimensions

<b>L</b>	18mm +0.3/-0.5mm
<b>H</b>	11mm +0.1/-0.5mm
<b>T</b>	5mm +0.2/-0.5mm
<b>S</b>	15mm +/-0.4mm
<b>LL</b>	4mm +2mm
<b>F</b>	0.8mm +/-0.05mm

### Packaging Specifications

<b>Packaging:</b>	Bulk, Bag
<b>Packaging Quantity:</b>	2000

### Specifications

<b>Capacitance:</b>	6800 pF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage AC:</b>	400 VAC
<b>Voltage DC:</b>	1300 VDC
<b>Temperature Range:</b>	-55/+105°C
<b>Rated Temperature:</b>	85°C
<b>Dissipation Factor:</b>	0.01% 1kHz, 0.02% 10kHz, 0.08% 100kHz
<b>Insulation Resistance:</b>	100 GOhms
<b>Max dV/dt:</b>	2000 V/us
<b>Resistance:</b>	93.6 mOhms (100kHz)
<b>Ripple Current:</b>	1.7 Amps (100kHz 85C), 14 Amps (Peak)
<b>Inductance:</b>	10 nH

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