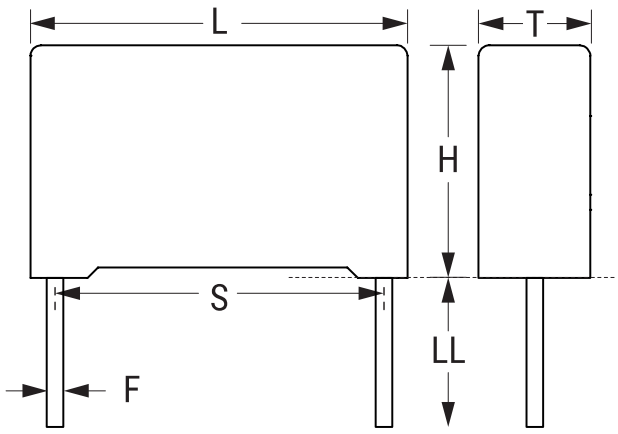
R74TI1680AA00K

Aliases (74TI1680AA00K)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 6,800 pF, 10%, 2,000 VDC, 85°C, 15 mm



Click here for the 3D model.

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
Typical Component Weight	2.27 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.
Notes	Series Replaced by R75.

Dimensions	
L	18mm +/-0.5mm
H	13.5mm +0.1/-0.5mm
T	7.5mm +0.2/-0.5mm
S	15mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications	
Packaging	Bulk, Bag
Packaging Quantity	1000

Specifications	
Capacitance	6,800 pF
Tolerance	10%
Voltage DC	2000 VDC
Voltage AC	700 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	9,500 V/us
ESR	93.6 mOhms (100kHz)
Ripple Current	2.1 Amps (100kHz 85C), 65 Amps (Peak)
Inductance	10 nH