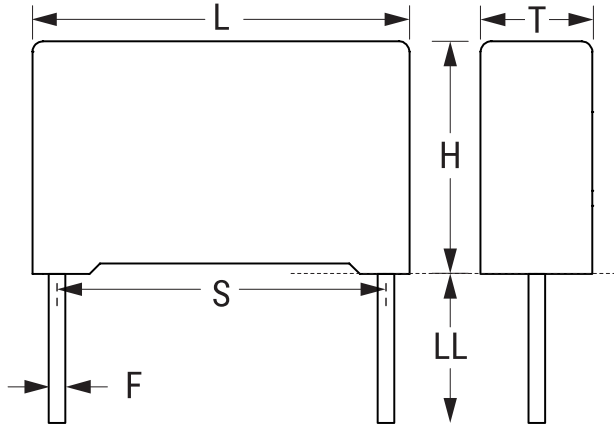


## R745R3100AA00K

Aliases (745R3100AA00K)

Not for New Design

R74, Film, Metallized Polypropylene, General Purpose, 0.1 uF, 10%, 1,600 VDC, 85°C, 27.5 mm



Click [here](#) for the 3D model.

### General Information

Series	R74
Dielectric	Metallized Polypropylene
Style	Radial
Features	Pulse
RoHS	Yes
Termination	Cut (Tinned Wire)
Lead	Cut
AEC-Q200	No
Typical Component Weight	5.88 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.
Notes	Series Replaced by R75.

### Specifications

Capacitance	0.1 uF
Tolerance	10%
Voltage DC	1600 VDC
Voltage AC	500 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz
Insulation Resistance	100 GOhms
Max dV/dt	500 V/us
ESR	95.5 mOhms (100kHz)
Ripple Current	2.4 Amps (100kHz 85C), 50 Amps (Peak)
Inductance	18 nH

### Dimensions

L	32mm +0.3/-0.7mm
H	17mm +0.1/-0.7mm
T	9mm +0.2/-0.7mm
S	27.5mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Tray
Packaging Quantity	816

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