

## R76MI31805030K

Aliases (76MI31805030K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.18  $\mu$ F, 10%, 400 VDC, 85°C, 15 mm



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

### General Information

Series	R76
Dielectric	Double Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Tinned Wire
Lead	Wire Leads
Qualifications	AEC-Q200
AEC-Q200	Yes

### Dimensions

L	18mm $\pm$ 0.5mm
H	16mm $\pm$ 0.1/-0.5mm
T	10mm $\pm$ 0.2/-0.5mm
S	15mm $\pm$ 0.4mm
LL	25mm $\pm$ 2/-1mm
F	0.8mm $\pm$ 0.05mm

### Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	500

### Specifications

Capacitance	0.18 $\mu$ F
Tolerance	10%
Voltage DC	400 VDC
Voltage AC	250 VAC
Temperature Range	-55/+110°C
Rated Temperature	85°C
Dissipation Factor	0.03% 1kHz, 0.06% 10kHz
Insulation Resistance	100 GOhms
Max dV/dt	900 V/ $\mu$ s
ESR	8.84 mOhms (100kHz)
Ripple Current	7.2 Amps (100kHz 85C), 162 Amps (Peak)
Inductance	10 nH

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