

R75QI31005030J

Aliases (75QI31005030J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 1000 VDC, 85°C, 15mm



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Dimensions

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

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	500

General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Tinned Wire
Lead	Wire Leads
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	3.8 g
Miscellaneous	Above 85C DC voltage derating is 2%/C and AC voltage derating is 1.25%/C .

Specifications

Capacitance	0.1 uF
Capacitance Tolerance	5%
Voltage DC	1000 VDC
Voltage AC	300 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.04% 1kHz, 0.06% 10kHz
Insulation Resistance	100 GOhms
Max dV/dt	2000 V/us
ESR	15.92 mOhms (100kHz)
Ripple Current	5.339 Amps (100kHz 85C), 200 Amps (Peak)
Inductance	10 nH

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