

## R75RN310050H3J

Aliases (75RN310050H3J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 1250 VDC, 105°C, 22.5mm



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

### Dimensions

L	26.5mm +0.3/-0.5mm
H	18.5mm +0.1/-0.5mm
T	10mm +0.2/-0.5mm
S	22.5mm +/-0.4mm
LL	25mm +2/-1mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	300

### General Information

Series	R75H
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Lead	Wire Leads
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	5.9 g
Miscellaneous	Above 105C DC And AC Voltage Derating Is 1.25%/C.

### Specifications

Capacitance	0.1 uF
Capacitance Tolerance	5%
Voltage AC	600 VAC
Voltage DC	1250 VDC
Temperature Range	-55/+125°C
Rated Temperature	105°C
Dissipation Factor	0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz
Insulation Resistance	100 GOhms
Max dV/dt	2100 V/us
ESR	31.8 mOhms (100kHz)
Ripple Current	7.08 Amps (100kHz 90C), 210 Amps (Peak)
Inductance	16 nH

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