

## R75GR510050H0J

Aliases (75GR510050H0J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 10 uF, 5%, 160 VDC, 105°C, 27.5mm



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

### Dimensions

L	32mm +0.3/-0.7mm
H	37mm +0.1/-0.7mm
T	22mm +0.2/-0.7mm
S	27.5mm +/-0.4mm
LL	25mm +2/-1mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	112

### General Information

Series	R75H
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	29.1 g
Miscellaneous	Above 105C DC And AC Voltage Derating Is 1.25%/C.

### Specifications

Capacitance	10 uF
Capacitance Tolerance	5%
Voltage DC	160 VDC
Voltage AC	90 VAC
Temperature Range	-55/+125°C
Rated Temperature	105°C
Dissipation Factor	0.1% 1kHz
Insulation Resistance	3 GOhms
Max dV/dt	60 V/us
ESR	4.77 mOhms (100kHz)
Ripple Current	14.2 Amps (100kHz 90C), 600 Amps (Peak)
Inductance	18 nH

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