

## R75QD1820AA30J

Aliases (75QD1820AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 8,200 pF, 5%, 1,000 VDC, 85°C, 7.5 mm



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

### General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Cut (Tinned Wire)
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	1.259 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

### Specifications

Capacitance	8,200 pF
Tolerance	5%
Voltage DC	1000 VDC
Voltage AC	400 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	4,000 V/us
ESR	97 mOhms (100kHz)
Ripple Current	1.72 Amps (100kHz 85C), 33 Amps (Peak)
Inductance	8 nH

### Dimensions

L	10.5mm +0.2/-0.5mm
H	12mm +0.1/-0.5mm
T	6mm +0.1/-0.5mm
S	7.5mm +/-0.4mm
LL	4mm +2mm
F	0.5mm +/-0.05mm

### Packaging Specifications

Packaging	Bulk
Packaging Quantity	1000

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