

## R75GI3820DQ00K

Aliases (75GI3820DQ00K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.82 uF, 10%, 160 VDC, 85°C, 15 mm



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

### General Information

Series	R75
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Tinned Wire
Lead	Wire Leads
Qualifications	AEC-Q200
Typical Component Weight	4.411 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

### Dimensions

L	18mm +/-0.5mm
H	16mm +0.1/-0.5mm
T	10mm +0.2/-0.5mm
S	15mm +/-0.4mm
H0	18.5mm +/-0.5mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Ammo, 360x340x59mm, Box
Packaging Quantity	380

### Specifications

Capacitance	0.82 uF
Tolerance	10%
Voltage DC	160 VDC
Voltage AC	90 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.05% 1kHz, 0.08% 10kHz
Insulation Resistance	36.5854 GOhms
Max dV/dt	120 V/us
ESR	5.8 mOhms (100kHz)
Ripple Current	8.83 Amps (100kHz 85C), 98 Amps (Peak)
Inductance	10 nH

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