

## R75GN4100DQ00K

Aliases (75GN4100DQ00K)

R75, Film, Metallized Polypropylene, Automotive Grade, 1 uF, 10%, 160 VDC, 85°C, 22.5 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	4.535 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

### Specifications

Capacitance	1 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	30 GOhms
Max dV/dt	70 V/us
ESR	8 mOhms (100kHz)
Ripple Current	7.83 Amps (100kHz 85C), 70 Amps (Peak)
Inductance	16 nH

### Dimensions

L	26.5mm +0.3/-0.5mm
H	16mm +0.1/-0.5mm
T	7mm +0.2/-0.5mm
S	22.5mm +/-0.4mm
H0	18.5mm +/-0.5mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Ammo, 360x340x59mm, Box
Packaging Quantity	380

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