

R75GN4100DQ00K

Aliases (75GN4100DQ00K)

R75, Film, Metallized Polypropylene, Automotive Grade, 1 uF, 10%, 160 VDC, 85°C, Lead Spacing = 22.5mm



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Dimensions	
L	26.5mm +0.3/-0.5mm
Н	16mm +0.1/-0.5mm
Т	7mm +0.2/-0.5mm
S	22.5mm +/-0.4mm
НО	18.5mm +/-0.5mm
F	0.8mm +/-0.05mm

Packaging Specifications	
Packaging	Ammo, 360x340x59mm, Box
Packaging Quantity	380

General Information		
Series	R75	
Dielectric	Metallized Polypropylene	
Style	Radial	
Features	Automotive Grade, Pulse	
RoHS	Yes	
Lead	Wire Leads	
Qualifications	AEC-Q200	
AEC-Q200	Yes	
Component Weight	4.535 g	
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.	

Capacitance 1 uF Capacitance Tolerance 10% Voltage AC 90 VAC Voltage DC 160 VDC Temperature Range -55/+105°C Rated Temperature 85°C Dissipation Factor 0.05% 1kHz, 0.08% 10kHz Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz) Ripple Current 7.83 Amps (100kHz 85C), 70 Amps (Peak)	Specifications	
Voltage AC Voltage DC 160 VDC Temperature Range -55/+105°C Rated Temperature 85°C Dissipation Factor 0.05% 1kHz, 0.08% 10kHz Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Capacitance	1uF
Voltage DC 160 VDC Temperature Range -55/+105°C Rated Temperature 85°C Dissipation Factor 0.05% 1kHz, 0.08% 10kHz Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Capacitance Tolerance	10%
Temperature Range -55/+105°C Rated Temperature 85°C Dissipation Factor 0.05% 1kHz, 0.08% 10kHz Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Voltage AC	90 VAC
Rated Temperature 85°C Dissipation Factor 0.05% 1kHz, 0.08% 10kHz Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Voltage DC	160 VDC
Dissipation Factor 0.05% 1kHz, 0.08% 10kHz Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Temperature Range	-55/+105°C
Insulation Resistance 30 GOhms Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Rated Temperature	85°C
Max dV/dt 60 V/us Resistance 8 mOhms (100kHz)	Dissipation Factor	0.05% 1kHz, 0.08% 10kHz
Resistance 8 mOhms (100kHz)	Insulation Resistance	30 GOhms
- · · · · · · · · · · · · · · · · · · ·	Max dV/dt	60 V/us
Ripple Current 7.83 Amps (100kHz 85C), 70 Amps (Peak)	Resistance	8 mOhms (100kHz)
	Ripple Current	7.83 Amps (100kHz 85C), 70 Amps (Peak)
Inductance 18 nH	Inductance	18 nH

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.