

R745I1220AA00K

Aliases (745I1220AA00K)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 2200 pF, 10%, 1600 VDC, 85°C, Lead Spacing = 15mm



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Dimensions	
L	18mm +0.3/-0.5mm
Н	11mm +0.1/-0.5mm
т	5mm +0.2/-0.5mm
S	15mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications		
Packaging	Bulk, Bag	
Packaging Quantity	2000	

General Information	
Series	R74
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	1.303 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.
Notes	Series Replaced by R75.

Capacitance 2200 pF Capacitance Tolerance 10% Voltage AC 500 VAC Voltage DC 1600 VDC Temperature Range -55/+105°C Rated Temperature 85°C Dissipation Factor 0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHz Insulation Resistance 100 GOhms Max dV/dt 4500 V/us Resistance 289.4 mOhms (100kHz) Ripple Current 0.7 Amps (100kHz 85C), 10 Amps (Peak)	Specifications	
Voltage AC 500 VAC Voltage DC 1600 VDC Temperature Range -55/+105°C Rated Temperature 85°C Dissipation Factor 0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHz Insulation Resistance 100 GOhms Max dV/dt 4500 V/us Resistance 289.4 mOhms (100kHz) Ripple Current 0.7 Amps (100kHz 85C), 10 Amps (Peak)	Capacitance	2200 pF
Voltage DC1600 VDCTemperature Range-55/+105°CRated Temperature85°CDissipation Factor0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHzInsulation Resistance100 GOhmsMax dV/dt4500 V/usResistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Capacitance Tolerance	10%
Temperature Range-55/+105°CRated Temperature85°CDissipation Factor0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHzInsulation Resistance100 GOhmsMax dV/dt4500 V/usResistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Voltage AC	500 VAC
Rated Temperature85°CDissipation Factor0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHzInsulation Resistance100 GOhmsMax dV/dt4500 V/usResistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Voltage DC	1600 VDC
Dissipation Factor0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHzInsulation Resistance100 GOhmsMax dV/dt4500 V/usResistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Temperature Range	-55/+105°C
Insulation Resistance100 GOhmsMax dV/dt4500 V/usResistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Rated Temperature	85°C
Max dV/dt4500 V/usResistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Dissipation Factor	0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHz
Resistance289.4 mOhms (100kHz)Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Insulation Resistance	100 GOhms
Ripple Current0.7 Amps (100kHz 85C), 10 Amps (Peak)	Max dV/dt	4500 V/us
	Resistance	289.4 mOhms (100kHz)
	Ripple Current	0.7 Amps (100kHz 85C), 10 Amps (Peak)
Inductance 10 nH	Inductance	10 nH

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