

**KEMET Part Number: R75QD1820AA30J**  
(75QD1820AA30J)

**KEMET**

a YAGEO company

R75, Film, Metallized Polypropylene, Automotive Grade, 8200 pF, 5%, 1000 VDC, 85°C, Lead Spacing = 7.5mm



#### 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

#### General Information

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

#### Specifications

Capacitance:	8200 pF
Capacitance Tolerance:	5%
Voltage AC:	400 VAC
Voltage DC:	1000 VDC
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:	4000 V/us
Resistance:	97 mOhms (100kHz)
Ripple Current:	1.72 Amps (100kHz 85C), 33 Amps (Peak)
Inductance:	8 nH

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