

## R745I1820DQ00J

Aliases (745I1820DQ00J)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 8,200 pF, 5%, 1,600 VDC, 85°C, 15 mm



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

### General Information

Series	R74
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Tinned Wire
Lead	Wire Leads
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	2.134 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.
Notes	Series Replaced by R75.

### Specifications

Capacitance	8,200 pF
Tolerance	5%
Voltage DC	1600 VDC
Voltage AC	500 VAC
Temperature Range	-55/+105°C
Rated Temperature	85°C
Dissipation Factor	0.01% 1kHz, 0.02% 10kHz, 0.08% 100kHz
Insulation Resistance	100 GOhms
Max dV/dt	4,500 V/us
ESR	77.6 mOhms (100kHz)
Ripple Current	2.1 Amps (100kHz 85C), 37 Amps (Peak)
Inductance	10 nH

### Dimensions

L	18mm +0.3/-0.5mm
H	12mm +0.1/-0.5mm
T	6mm +0.2/-0.5mm
S	15mm +0.6/-0.1mm
H0	18.5mm +/-0.5mm
F	0.8mm +/-0.05mm

### Packaging Specifications

Packaging	Ammo, 360x340x59mm, Box
Packaging Quantity	680

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