

R76PF1680Z300J

Aliases (76PF1680Z300J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 6,800 pF, 5%, 630 VDC, 85°C, 10 mm



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General Information

Series	R76
Dielectric	Double 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	0.7 g
Miscellaneous	Voltage Derating: 1.25%/C Above 85C (DC).

Specifications

Capacitance	6,800 pF
Tolerance	5%
Voltage DC	630 VDC
Voltage AC	400 VAC
Temperature Range	-55/+110°C
Rated Temperature	85°C
Dissipation Factor	0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz
Insulation Resistance	100 GOhms
Max dV/dt	4,000 V/us
ESR	93.62 mOhms (100kHz)
Ripple Current	1.649 Amps (100kHz 85C), 27 Amps (Peak)
Inductance	9 nH

Dimensions

L	13mm +0.2/-0.5mm
H	9mm +0.1/-0.5mm
T	4mm +0.2/-0.5mm
S	10mm +/-0.4mm
LL	17mm +1/-2mm
F	0.6mm +/-0.05mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	2200

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