

R76QF1680DQ30H

Aliases (76QF1680DQ30H)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 6800 pF, 2.5%, 1000 VDC, 85°C, Lead Spacing = 10mm



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Dimensions

L	13mm +0.2/-0.5mm
H	12mm +0.1/-0.5mm
T	6mm +0.2/-0.5mm
S	10mm +/-0.4mm
H ₀	18.5mm +/-0.5mm
F	0.6mm +/-0.05mm

Packaging Specifications

Packaging	Ammo, 360x340x59mm, Box
Packaging Quantity	680

General Information

Series	R76
Dielectric	Double Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Lead	Wire Leads
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	1.3 g

Specifications

Capacitance	6800 pF
Capacitance Tolerance	2.5%
Voltage AC	600 VAC
Voltage DC	1000 VDC
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	6500 V/us
Resistance	93.62 mOhms (100kHz)
Ripple Current	1.8 Amps (100kHz 85C), 44 Amps (Peak)
Inductance	9 nH