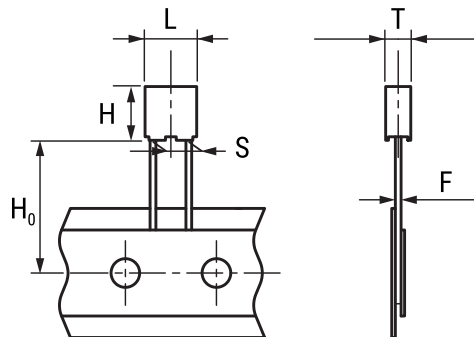


KEMET Part Number: R82EC1680DQ50K
(82EC1680DQ50K)

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R82, Film, Metallized Polyester Stacked, Automotive Grade, 6800 pF, 10%, 100 VDC, 85°C, Lead Spacing = 5mm



Dimensions

L	7.2mm +0.2mm
H	6.5mm +0.1mm
T	2.5mm +0.1mm
S	5mm +0.6/-0.1mm
H0	18.5mm +/-0.5mm
F	0.5mm +/-0.05mm

Packaging Specifications

Packaging:	Ammo, 360x340x59mm, Box
Packaging Quantity:	3500

General Information

Series:	R82
Dielectric:	Metallized Polyester Stacked
Style:	Radial
Features:	Automotive Grade, DC Multipurpose Applications
RoHS:	Yes
Lead:	Wire Leads
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Component Weight:	0.331 g
Miscellaneous:	Above 85C DC And AC Voltage Derating Is 1.25%/C.

Specifications

Capacitance:	6800 pF
Capacitance Tolerance:	10%
Voltage AC:	63 VAC
Voltage DC:	100 VDC
Temperature Range:	-55/+105°C
Rated Temperature:	85°C
Dissipation Factor:	0.8% 1kHz, 1.2% 10kHz, 2.5% 100kHz
Insulation Resistance:	15 GOhms
Max dV/dt:	200 V/us
Inductance:	7 nH

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