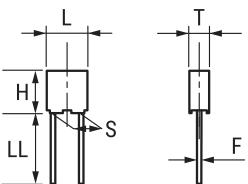


## **R82EC1680AA50K**

Aliases (82EC1680AA50K)

R82, Film, Metallized Polyester Stacked, Automotive Grade, 6,800 pF, 10%, 100 VDC, 85°C, 5 mm



	W II II II	
		Qualifications
C	Click here for the 3D model.	AEC-Q200
		Typical Component We
		Miscellaneous
	Dimensions	Specifications
	Dimensions L 7.2mm +0.2/-0.5mm	Specifications Capacitance
		•
	L 7.2mm +0.2/-0.5mm	Capacitance

5mm +/-0.4mm

0.5mm +/-0.05mm

4mm +1.5mm

Packaging Specifications	
Packaging	Bulk
Packaging Quantity	3000

S

LL

F

General Information	
Series	R82
Dielectric	Metallized Polyester Stacked
Style	Radial
Features	Automotive Grade, DC Multipurpose Applications
RoHS	Yes
Termination	Cut (Tinned Wire)
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	0.23 g
Miscellaneous	Above 85C DC And AC Voltage Derating Is 1.25%/C.

Specifications		
Capacitance	6,800 pF	
Tolerance	10%	
Voltage DC	100 VDC	
Voltage AC	63 VAC	
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	

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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