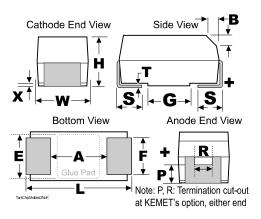
KEMET Part Number: T499B685K006ATE3K5



Capacitor, Tantalum, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, 6.8 uF, 3528, +/-10% Tol, 6.3 VDC (85C)



Dimensions (mm)			
Symbol	Dimension	Tolerance	
L	3.5	+/-0.2	
W	2.8	+/-0.2	
Н	1.9	+/-0.2	
F	2.2	+/-0.1	
S	0.8	+/-0.3	
В	0.4	+/-0.15	
Х	0.1	+/-0.1	
Р	0.5	REF	
R	1	REF	
Т	0.13	REF	
Α	1.1	MIN	
G	1.8	REF	
E	2.2	REF	

Packaging Specifications		
Package Kind:	T&R	
Package Size:	7 in/180 mm	
Package Quantity:	2000	

General Information		
Supplier:	KEMET	
Application:	Automotive/High Temp (AEC-Q200 Qualified)	
Sub Application:	(175C)	
Part Type Description:	SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200	
Construction:	Standard Chip-MnO2	
Body Type:	SMD Chip	
Footprint:	3528	
Weight:	107.45 mg	
RoHS:	Yes	

Specifications		
Capacitance:	6.8 uF	
Tolerance:	+/-10%	
Voltage:	6.3 VDC (85C)	
Voltage:	4.9 VDC (125C)	
Voltage:	3.15 VDC (175C)	
Temperature Range:	-55/+175C	
Testing:	AEC-Q200	
Current/Ripple Current:	156 mA (25C)	
Current/Ripple Current:	140.4 mA (85C)	
Current/Ripple Current:	31.2 mA (175C)	
Resistance/ESR:	3500 mOhms (100kHz)	
Failure Rate:	N/A	
Leakage Current:	0.5 uA	
Dissipation Factor:	6%	

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.

