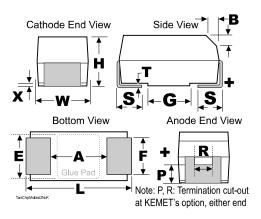
KEMET Part Number: T499A685K010ATE6K0



Capacitor, Tantalum, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, 6.8 uF, 3216, +/-10% Tol, 10 VDC (85C)



Dimensions (mm)		
Symbol	Dimension	Tolerance
L	3.2	+/-0.2
W	1.6	+/-0.2
Н	1.6	+/-0.2
F	1.2	+/-0.1
S	0.8	+/-0.3
В	0.4	+/-0.15
Х	0.1	+/-0.1
Р	0.4	REF
R	0.4	REF
Т	0.13	REF
A	0.8	MIN
G	1.1	REF
E	1.3	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:	3216	
Weight:	58.6 mg	
Approvals:	AEC-Q200	
RoHS:	Yes	

Specifications		
Capacitance:	6.8 uF	
Tolerance:	+/-10%	
Voltage:	10 VDC (85C)	
Voltage:	7.78 VDC (125C)	
Voltage:	5 VDC (175C)	
Temperature Range:	-55/+175C	
Current/Ripple Current:	112 mAmps (25C)	
Current/Ripple Current:	100.8 mAmps (85C)	
Current/Ripple Current:	22.4 mAmps (175C)	
Resistance/ESR:	6000 mOhms (100kHz)	
Failure Rate:	N/A	
Leakage Current:	0.7 uA	
Dissipation Factor:	6%	

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