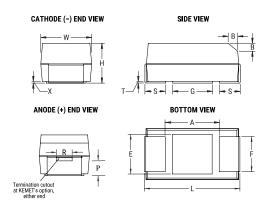
KEMET Part Number: T499C685K025ATE1K9



T499, Tantalum, MnO2 Tantalum, High Temperature, 6.8 uF, 10%, 25 VDC, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 1.9 Ohms, 6032, Height Max = 2.8mm



Dimensions		
Footprint	6032	
L	6mm +/-0.3mm	
W	3.2mm +/-0.3mm	
Н	2.5mm +/-0.3mm	
Т	0.13mm REF	
S	1.3mm +/-0.3mm	
F	2.2mm +/-0.1mm	
A	3.1mm MIN	
В	0.5mm +/-0.15mm	
E	2.4mm REF	
G	2.8mm REF	
Р	0.9mm REF	
R	1mm REF	
Х	0.1mm +/-0.1mm	

Packaging Specifications		
Weight:	224.48 mg	
Packaging:	T&R, 178mm	
Packaging Quantity:	500	

General Information		
Supplier:	KEMET	
Series:	T499	
Dielectric:	MnO2 Tantalum	
Style:	SMD Chip	
Description:	SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200	
Features:	Automotive, 175C	
RoHS:	Yes	
Termination:	Tin	
Qualifications:	AEC-Q200	
AEC-Q200:	Yes	
Shelf Life:	156 Weeks	
MSL:	1	

Specifications		
Capacitance:	6.8 uF	
Capacitance Tolerance:	10%	
Voltage DC:	25 VDC (85C), 19.44 VDC (125C), 8.3 VDC (175C)	
Temperature Range:	-55/+175C	
Rated Temperature:	85C	
Dissipation Factor:	6.00% 120Hz 20C	
Failure Rate:	N/A	
Resistance:	1900 mOhms (100kHz)	
Ripple Current:	241 mAmps (100kHz 25C), 216.9 mAmps (85C), 48.2 mAmps (175C)	
Leakage Current:	1.7 uA (5min 20C)	

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.

