

**KEMET Part Number: T499D685K025ATE1K1**  
(B45196T5685K409)



Tantalum, MnO2 Tantalum, High Temperature, T499, 6.8 uF, 10%, 25 V, 7343, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 1.1 Ohms, Height Max = 3.1mm



General Information	
Dielectric:	MnO2 Tantalum
Style:	SMD Chip
Series:	T499
Description:	SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200
Features:	Automotive, 175C
RoHS:	Yes
Termination:	Tin
Approvals:	AEC-Q200
AEC-Q200:	Yes

Dimensions	
Footprint	7343
L	7.3mm +/-0.3mm
W	4.3mm +/-0.3mm
H	2.8mm +/-0.3mm
T	0.13mm REF
S	1.3mm +/-0.3mm
F	2.4mm +/-0.1mm
A	3.8mm MIN
B	0.5mm +/-0.15mm
E	3.5mm REF
G	3.5mm REF
P	0.9mm REF
R	1mm REF
X	0.1mm +/-0.1mm

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
Dissipation Factor:	6% 120Hz 20C
Failure Rate:	N/A
Resistance:	1100 mOhms (100kHz)
Current:	369 mAmps (100kHz 25C), 332.1 mAmps (85C), 73.8 mAmps (175C)
Leakage Current:	1.7 uAmps (5min 20C)

Packaging Specifications	
Weight:	446.84 mg
Packaging:	T&R, 178mm
Packaging Quantity:	500

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