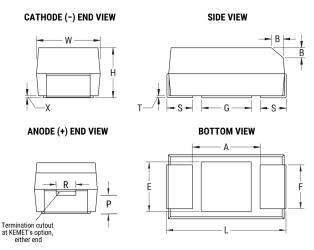


T499D685K035ATE1K3

T499, Tantalum, MnO2 Tantalum, High Temperature, 6.8 uF, 10%, 35 VDC, SMD, MnO2, Molded, Hi-Temp, 175C, Auto, AEC-Q200, N/A, 1.3 Ohms, 7343, Height Max = 3.1mm



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

Packaging Specifications		
Packaging	T&R, 178mm	
Packaging Quantity	500	

General Information	
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
Component Weight	446.84 mg
Shelf Life	156 Weeks
MSL	1

Specifications	
Capacitance	6.8 uF
Capacitance Tolerance	10%
Voltage DC	35 VDC (85C), 27.22 VDC (125C), 17.5 VDC (175C)
Temperature Range	-55/+175°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
Resistance	1300 mOhms (100kHz 25C)
Ripple Current	340 mA (rms, 100kHz 25C), 306 mA (rms, 85C), 68 mA (rms, 175C)
Leakage Current	2.4 uA (5min 25°C)

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.