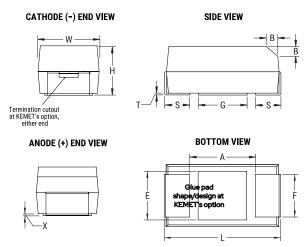


## T510E687K006ATA023

T510 Auto, Tantalum, MnO2 Tantalum, Multi-Anode, 680 uF, 10%, 6.3 VDC, SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200, 23 mOhms, 7360, 3.8 mm, 1.3 mm



Click here	for the	3D model.
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Dimensions	
L	7.3mm +/-0.3mm
W	6mm +/-0.3mm
Н	3.6mm +/-0.2mm
Т	0.13mm REF
S	1.3mm +/-0.3mm
F	4.1mm +/-0.1mm
A	3.8mm MIN
В	0.5mm +/-0.15mm
E	3.5mm REF
G	3.5mm REF
X	0.1mm +/-0.1mm REF

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

General Information	
Series	T510 Auto
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200
Features	Automotive, Low ESR
RoHS	Yes
Termination	Tin
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	500.73 mg
MSL	1

Specifications	
Capacitance	680 uF
Tolerance	10%
Voltage DC	6.3 VDC (85C), 4.22 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	23 mOhms (100kHz 25C)
Ripple Current	3520 mA (rms, 100kHz 25C), 3168 mA (rms, 85C), 1408 mA (rms, 125C)
Leakage Current	42.8 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.

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