

## T513X687K004BC6310

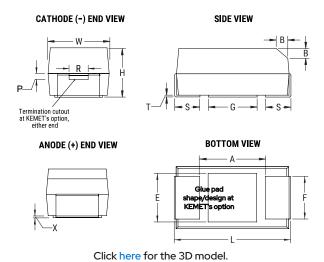
**General Information** 

Typical Component Weight

Series

Dielectric

T513 HRA, Tantalum, MnO2 Tantalum, HRA Multi-Anode, 680 uF, 10%, 4 VDC, SMD, MnO2, Molded, Military Equivalent, MAT High Reliability, B (0.1%/1000 Hrs), 30 mOhms, 7343, 4.3 mm, 1.3 mm



	Style	SMD Chip
	Description	SMD, MnO2, Molded, Military Equivalent, MAT High Reliability
	Features	Low ESR
	RoHS	No
	Prop 65	WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /
	SCIP Number	ff0ac6de-04a5-49fb-9ad1-557 da7f701ca
	Termination	Hot Solder Dipped
	AEC-Q200	No

T513 HRA
MnO2 Tantalum

430.15 mg

Dimensions		
L	7.3mm +/-0.3mm	
W	4.3mm +/-0.3mm	
Н	4mm +/-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	
Р	1.7mm REF	
R	1mm REF	
X	0.1mm +/-0.1mm REF	

Specifications	
Capacitance	680 uF
Tolerance	10%
Voltage DC	4 VDC (85C), 2.68 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	B (0.1%/1000 Hrs)
ESR	30 mOhms (100kHz 25C)
Ripple Current	2340 mA (rms, 100kHz 25C)
Leakage Current	27.2 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Current Testing At -55C And +85C After Weibull

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

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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