

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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**General Information**

Series	T493 HRA
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Molded, High Reliability
Features	High Reliability
RoHS	Yes
Termination	Tin
Typical Component Weight	654.04 mg

**Dimensions**

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

**Specifications**

Capacitance	220 uF
Tolerance	10%
Voltage DC	16 VDC (85C), 10.72 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	12% 120Hz 25C
Failure Rate	N/A
ESR	0.5 Ohms (100kHz 25C)
Ripple Current	574 mA (rms, 100kHz 25C)
Leakage Current	35.2 uA (5min 25°C)
Testing and Reliability	10 Cycles Surge Current Testing At +25C +/-5C After Weibull

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	500

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