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**General Information**

Series	T502
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Un-Encapsulated, High Temperature, 230C
Features	230C
RoHS	Yes
Termination	Gold
Typical Component Weight	292 mg
Shelf Life	156 Weeks
MSL	1

**Specifications**

Capacitance	10 uF
Tolerance	10%
Voltage DC	25 VDC (85C), 20.5 VDC (125C), 8.25 VDC (230C)
Temperature Range	-55/+230°C
Rated Temperature	85°C
Humidity	85C, 85% RH, 0 V, 500 Hours
Dissipation Factor	6% 120Hz 25C
Failure Rate	N/A
ESR	1.8 Ohms (100kHz 25C)
Ripple Current	289 mA (rms, 100kHz 45C)
Leakage Current	2.5 uA (5min 25°C)
Testing and Reliability	Standard Testing Only

**Dimensions**

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 REF

**Packaging Specifications**

Packaging	T&R, 178mm
Packaging Quantity	500

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