

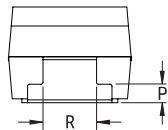
CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



Click [here](#) for the 3D model.

## General Information

Series	T493 HRA
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, High Reliability
Features	High Reliability
RoHS	No
Prop 65	<b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>
SCIP Number	652b281f-d242-4453-bc44-0655d646cec3
Termination	Hot Solder Dipped
Typical Component Weight	102.3 mg
Notes	P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present).

## Dimensions

L	3.5mm +/-0.2mm
W	2.8mm +/-0.2mm
H	1.9mm +/-0.2mm
T	0.13mm REF
S	0.8mm +/-0.3mm
F	2.2mm +/-0.1mm
A	1.9mm MIN
B	0.4mm +/-0.15mm
E	2.2mm REF
G	1.8mm REF
P	0.35mm MIN
R	1mm REF
X	0.1mm +/-0.1mm REF

## Specifications

Capacitance	0.22 uF
Tolerance	10%
Voltage DC	50 VDC (85C), 33.5 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	4% 120Hz 25C
Failure Rate	B (0.1%/1000 Hrs)
ESR	14 Ohms (100kHz 25C)
Ripple Current	73 mA (rms, 100kHz 25C)
Leakage Current	0.5 uA (5min 25°C)
Testing and Reliability	Standard Testing Only

## Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2000

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