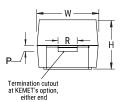


## T493A225K010BC6420

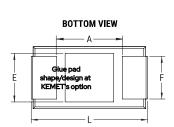
T493 HRA, Tantalum, MnO2 Tantalum, HRA, 2.2 uF, 10%, 10 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 6 Ohms, 3216, 1.8 mm, 0.8 mm

CATHODE (-) END VIEW



ANODE (+) END VIEW





— G -

- S -

SIDE VIEW

B

- |- s-

Click here for the 3D model.

| General Information      |  |
|--------------------------|--|
| Series                   | T493 HRA   |
| Dielectric               | MnO2 Tantalum  |
| Style                    | SMD Chip   |
| Description              | SMD, MnO2, Molded, High<br>Reliability   |
| Features                 | High Reliability   |
| RoHS                     | No   |
| Prop 65                  | WARNING: Cancer and<br>reproductive harm -<br>https://www.p65warnings.ca.gov<br>/  |
| SCIP Number              | 652b281f-d242-4453-bc44-06<br>55d646cec3   |
| Termination              | Hot Solder Dipped  |
| AEC-Q200                 | No   |
| Typical Component Weight | 58.97 mg   |
| Notes                    | P and R dimensions represents<br>the minimum solderable area of<br>the termination surface entirely<br>below cutout (if one is present). |

| Dimensions |                    |
|------------|--------------------|
| L          | 3.2mm +/-0.2mm     |
| W          | 1.6mm +/-0.2mm     |
| н          | 1.6mm +/-0.2mm     |
| Т          | 0.13mm REF         |
| S          | 0.8mm +/-0.3mm     |
| F          | 1.2mm +/-0.1mm     |
| Α          | 1.2mm MIN          |
| В          | 0.4mm +/-0.15mm    |
| E          | 1.3mm REF          |
| G          | 1.1mm REF          |
| Р          | 0.35mm MIN         |
| R          | 0.4mm REF          |
| Х          | 0.1mm +/-0.1mm REF |

| Specifications          |   |
|-------------------------|---|
| Capacitance             | 2.2 uF  |
| Tolerance               | 10%   |
| Voltage DC              | 10 VDC (85C), 6.7 VDC (125C)  |
| Temperature Range       | -55/+125°C  |
| Rated Temperature       | 85°C  |
| Dissipation Factor      | 6% 120Hz 25C  |
| Failure Rate            | B (0.1%/1000 Hrs)   |
| ESR                     | 6 Ohms (100kHz 25C)   |
| Ripple Current          | 112 mA (rms, 100kHz 25C)  |
| Leakage Current         | 0.5 uA (5min 25°C)  |
| Testing and Reliability | 10 Cycles Surge Current Testing<br>At -55C And +85C Before<br>Weibull |

## Packaging SpecificationsPackagingT&R, 178mmPackaging Quantity2000

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