

## T493B335K020CH6120

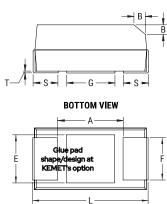
T493 HRA, Tantalum, MnO2 Tantalum, HRA, 3.3 uF, 10%, 20 VDC, SMD, MnO2, Molded, High Reliability, C (0.01%/1000 Hrs), 1.3 Ohms, 3528, 2.1 mm, 0.8 mm

CATHODE (-) END VIEW



ANODE (+) END VIEW

R



SIDE VIEW

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              | 1dd2e1b8-26dd-4d52-927c-6f9<br>d519011aa   |
| Termination              | Tin Lead (SnPb)  |
| AEC-Q200                 | No   |
| Typical Component Weight | 102.3 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          | 3.5mm +/-0.2mm     |
| W          | 2.8mm +/-0.2mm     |
| н          | 1.9mm +/-0.2mm     |
| т          | 0.13mm REF         |
| S          | 0.8mm +/-0.3mm     |
| F          | 2.2mm +/-0.1mm     |
| A          | 1.9mm MIN          |
| В          | 0.4mm +/-0.15mm    |
| E          | 2.2mm REF          |
| G          | 1.8mm REF          |
| Р          | 0.35mm MIN         |
| R          | 1mm REF            |
| Х          | 0.1mm +/-0.1mm REF |

| Specifications          |                               |
|-------------------------|-------------------------------|
| Capacitance             | 3.3 uF                        |
| Tolerance               | 10%                           |
| Voltage DC              | 20 VDC (85C), 13.4 VDC (125C) |
| Temperature Range       | -55/+125°C                    |
| Rated Temperature       | 85°C                          |
| Dissipation Factor      | 6% 120Hz 25C                  |
| Failure Rate            | C (0.01%/1000 Hrs)            |
| ESR                     | 1.3 Ohms (100kHz 25C)         |
| Ripple Current          | 240 mA (rms, 100kHz 25C)      |
| Leakage Current         | 0.7 uA (5min 25°C)            |
| Testing and Reliability | Standard Testing Only         |

## **Packaging Specifications** T&R, 178mm Packaging **Packaging Quantity**

2000

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