



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | T493 HRA  |
| Dielectric               | MnO2 Tantalum   |
| Style                    | SMD Chip  |
| Description              | SMD, MnO2, 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 | 58.97 mg  |
| Notes                    | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

| Dimensions |                    |
|------------|--------------------|
| L          | 3.2mm +/-0.2mm     |
| W          | 1.6mm +/-0.2mm     |
| H          | 1.6mm +/-0.2mm     |
| T          | 0.13mm REF         |
| S          | 0.8mm +/-0.3mm     |
| F          | 1.2mm +/-0.1mm     |
| A          | 1.2mm MIN          |
| B          | 0.4mm +/-0.15mm    |
| E          | 1.3mm REF          |
| G          | 1.1mm REF          |
| P          | 0.35mm MIN         |
| R          | 0.4mm REF          |
| X          | 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 At -55C +/-5C And +85C +/-5C Before Weibull |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging                | T&R, 178mm |
| Packaging Quantity       | 2000       |

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