

## T493X476K025CH6420

T493 HRA, Tantalum, MnO<sub>2</sub> Tantalum, HRA, 47 uF, 10%, 25 VDC, SMD, MnO<sub>2</sub>, Molded, High Reliability, C (0.01%/1000 Hrs), 300 mOhms, 7343, Height Max = 4.3mm

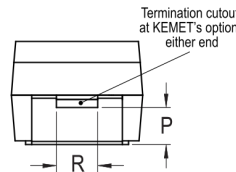
CATHODE (-) END VIEW



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="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> |
| SCIP Number      | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa   |
| Termination      | Solder Coated  |
| AEC-Q200         | No   |
| Component Weight | 654.04 mg  |

### Specifications

|                         |   |
|-------------------------|---|
| Capacitance             | 47 uF   |
| Capacitance Tolerance   | 10%   |
| Voltage DC              | 25 VDC (85C), 16.75 VDC (125C)                                  |
| Temperature Range       | -55/+125°C  |
| Rated Temperature       | 85°C  |
| Dissipation Factor      | 6% 120Hz 25C  |
| Failure Rate            | C (0.01%/1000 Hrs)  |
| Resistance              | 0.3 Ohms (100kHz 25C)   |
| Ripple Current          | 742 mA (rms, 100kHz 25C)  |
| Leakage Current         | 11.8 uA (5min 25°C)   |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C Before Weibull |

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 7343            |
| L         | 7.3mm +/-0.3mm  |
| W         | 4.3mm +/-0.3mm  |
| H         | 4mm +/-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         | 1.7mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 500        |

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