

## T493X476K020CH6120

T493 HRA, Tantalum, MnO<sub>2</sub> Tantalum, HRA, 47 uF, 10%, 20 VDC, SMD, MnO<sub>2</sub>, Molded, High Reliability, C (0.01%/1000 Hrs), 150 mOhms, 7343, 4.3 mm, 1.3 mm

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              | 1dd2e1b8-26dd-4d52-927c-6f9d519011aa   |
| Termination              | Tin Lead (SnPb)  |
| AEC-Q200                 | No   |
| Typical Component Weight | 654.04 mg  |

### Dimensions

|   |                    |
|---|--------------------|
| 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 REF |

### Packaging Specifications

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

### Specifications

|                         |                               |
|-------------------------|-------------------------------|
| Capacitance             | 47 uF                         |
| Tolerance               | 10%                           |
| Voltage DC              | 20 VDC (85C), 13.4 VDC (125C) |
| Temperature Range       | -55/+125°C                    |
| Rated Temperature       | 85°C                          |
| Dissipation Factor      | 4% 120Hz 25C                  |
| Failure Rate            | C (0.01%/1000 Hrs)            |
| ESR                     | 0.15 Ohms (100kHz 25C)        |
| Ripple Current          | 1049 mA (rms, 100kHz 25C)     |
| Leakage Current         | 9.4 uA (5min 25°C)            |
| Testing and Reliability | Standard Testing Only         |

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