

## T493X477K010BB6320

T493 HRA, Tantalum, MnO2 Tantalum, HRA, 470 uF, 10%, 10 VDC, SMD, MnO2, Molded, High Reliability, B (0.1%/1000 Hrs), 50 mOhms, 7343, Height Max = 4.3mm

## CATHODE (-) END VIEW SIDE VIEW W - B Ĥ т /ł X -S- -- G --- S---BOTTOM VIEW ANODE (+) END VIEW Termination cutout at KEMET's option, either end Α-Glue pad Ė Ê shape/design at KEMET's option 1 Ρ R

1

В

Click here for the 3D model.

| Dimensions | ,               |
|------------|-----------------|
| Footprint  | 7343            |
| L          | 7.3mm +/-0.3mm  |
| W          | 4.3mm +/-0.3mm  |
| Н          | 4mm +/-0.3mm    |
| Т          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.4mm +/-0.1mm  |
| А          | 3.8mm MIN       |
| В          | 0.5mm +/-0.15mm |
| E          | 3.5mm REF       |
| G          | 3.5mm REF       |
| Р          | 1.7mm REF       |
| R          | 1mm REF         |
| Х          | 0.1mm +/-0.1mm  |
|            |                 |

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

| General Information |                                     |
|---------------------|-------------------------------------|
| Series              | T493 HRA                            |
| Dielectric          | MnO2 Tantalum                       |
| Style               | SMD Chip                            |
| Description         | SMD, MnO2, Molded, High Reliability |
| Features            | High Reliability                    |
| RoHS                | Yes                                 |
| Termination         | Gold                                |
| AEC-Q200            | No                                  |
| Component Weight    | 654.04 mg                           |

| Specifications             |   |
|----------------------------|---|
| Capacitance                | 470 uF  |
| Capacitance<br>Tolerance   | 10%   |
| Voltage DC                 | 10 VDC (85C), 6.7 VDC (125C)                                      |
| Temperature<br>Range       | -55/+125°C  |
| Rated<br>Temperature       | 85°C  |
| <b>Dissipation Factor</b>  | 10% 120Hz 25C   |
| Failure Rate               | B (0.1%/1000 Hrs)   |
| Resistance                 | 0.05 Ohms (100kHz 25C)  |
| Ripple Current             | 1817 mA (rms, 100kHz 25C)   |
| Leakage Current            | 47 uA (5min 25°C)   |
| Testing and<br>Reliability | 10 Cycles Surge Current Testing At -55C And<br>+85C After Weibull |

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