

## T493B685K020BH6110

T493 HRA, Tantalum, MnO<sub>2</sub> Tantalum, HRA, 6.8 uF, 10%, 20 VDC, SMD, MnO<sub>2</sub>, Molded, High Reliability, B (0.1%/1000 Hrs), 3.5 Ohms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



BOTTOM VIEW



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### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 3528            |
| L         | 3.5mm +/-0.2mm  |
| W         | 2.8mm +/-0.2mm  |
| H         | 1.9mm +/-0.2mm  |
| T         | 0.13mm REF      |
| S         | 0.8mm +/-0.3mm  |
| F         | 2.2mm +/-0.1mm  |
| A         | 1.9mm MIN       |
| B         | 0.4mm +/-0.15mm |
| E         | 2.2mm REF       |
| G         | 1.8mm REF       |
| P         | 0.35mm MIN      |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

### 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 | 102.3 mg  |
| Notes            | P and R dimensions represents the minimum solderable area of the termination surface entirely below cutout (if one is present). |

### Specifications

|                         |                               |
|-------------------------|-------------------------------|
| Capacitance             | 6.8 uF                        |
| Capacitance 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            | B (0.1%/1000 Hrs)             |
| Resistance              | 3.5 Ohms (100kHz 25C)         |
| Leakage Current         | 1.4 uA (5min 25°C)            |
| Testing and Reliability | Standard Testing Only         |

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