

## T498B225K020ATE3K6

T498, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 2.2 uF, 10%, 20 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 3.6 Ohms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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

### General Information

|                  |   |
|------------------|---|
| Series           | T498  |
| Dielectric       | MnO <sub>2</sub> Tantalum                                     |
| Style            | SMD Chip  |
| Description      | SMD, MnO <sub>2</sub> , Molded, Hi-Temp, 150C, Auto, AEC-Q200 |
| Features         | Automotive, 150C  |
| RoHS             | Yes   |
| Termination      | Tin   |
| Qualifications   | AEC-Q200  |
| AEC-Q200         | Yes   |
| Component Weight | 107.45 mg   |
| Shelf Life       | 156 Weeks   |
| MSL              | 1   |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 2.2 uF   |
| Capacitance Tolerance | 10%  |
| Voltage DC            | 20 VDC (85C), 16 VDC (125C), 13.4 VDC (150C)                       |
| Temperature Range     | -55/+150°C   |
| Rated Temperature     | 85°C   |
| Dissipation Factor    | 4.5% 120Hz 25C   |
| Failure Rate          | N/A  |
| Resistance            | 3600 mOhms (100kHz 25C)  |
| Ripple Current        | 154 mA (rms, 100kHz 25C), 138.6 mA (rms, 85C), 46.2 mA (rms, 150C) |
| Leakage Current       | 0.5 uA (5min 25°C)   |

### 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         | 0.5mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.