

## T498C105M050ATE3K3

T498, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 1 uF, 20%, 50 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 3.3 Ohms, 6032, Height Max = 2.8mm

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 | 224.48 mg   |
| Shelf Life       | 156 Weeks   |
| MSL              | 1   |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 1 uF   |
| Capacitance Tolerance | 20%  |
| Voltage DC            | 50 VDC (85C), 40 VDC (125C), 33.5 VDC (150C)                       |
| Temperature Range     | -55/+150°C   |
| Rated Temperature     | 85°C   |
| Dissipation Factor    | 3% 120Hz 25C   |
| Failure Rate          | N/A  |
| Resistance            | 3300 mOhms (100kHz 25C)  |
| Ripple Current        | 183 mA (rms, 100kHz 25C), 164.7 mA (rms, 85C), 54.9 mA (rms, 150C) |
| Leakage Current       | 0.5 uA (5min 25°C)   |

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 6032            |
| L         | 6mm +/-0.3mm    |
| W         | 3.2mm +/-0.3mm  |
| H         | 2.5mm +/-0.3mm  |
| T         | 0.13mm REF      |
| S         | 1.3mm +/-0.3mm  |
| F         | 2.2mm +/-0.1mm  |
| A         | 3.1mm MIN       |
| B         | 0.5mm +/-0.15mm |
| E         | 2.4mm REF       |
| G         | 2.8mm REF       |
| P         | 0.9mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

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