

## T498D476M006ATE800

T498, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, 47 uF, 20%, 6.3 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 800 mOhms, 7343, Height Max = 3.1mm

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 | 446.84 mg   |
| Shelf Life       | 156 Weeks   |
| MSL              | 1   |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 47 uF   |
| Capacitance Tolerance | 20%   |
| Voltage DC            | 6.3 VDC (85C), 5.02 VDC (125C), 4.22 VDC (150C)                     |
| Temperature Range     | -55/+150°C  |
| Rated Temperature     | 85°C  |
| Dissipation Factor    | 4.5% 120Hz 25C  |
| Failure Rate          | N/A   |
| Resistance            | 800 mOhms (100kHz 25C)  |
| Ripple Current        | 433 mA (rms, 100kHz 25C), 389.7 mA (rms, 85C), 129.9 mA (rms, 150C) |
| Leakage Current       | 3 uA (5min 25°C)  |

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 7343            |
| L         | 7.3mm +/-0.3mm  |
| W         | 4.3mm +/-0.3mm  |
| H         | 2.8mm +/-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         | 0.9mm REF       |
| R         | 1mm REF         |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

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