

## T498A474K035ATE10K

T498, Tantalum, MnO<sub>2</sub> Tantalum, High Temperature, .47 uF, 10%, 35 VDC, SMD, MnO<sub>2</sub>, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 10 Ohms, 3216, Height Max = 1.8mm

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 | 58.6 mg   |
| Shelf Life       | 156 Weeks   |
| MSL              | 1   |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | .47 uF   |
| Capacitance Tolerance | 10%  |
| Voltage DC            | 35 VDC (85C), 28 VDC (125C), 23.45 VDC (150C)                    |
| Temperature Range     | -55/+150°C   |
| Rated Temperature     | 85°C   |
| Dissipation Factor    | 3% 120Hz 25C   |
| Failure Rate          | N/A  |
| Resistance            | 10000 mOhms (100kHz 25C)   |
| Ripple Current        | 87 mA (rms, 100kHz 25C), 78.3 mA (rms, 85C), 26.1 mA (rms, 150C) |
| Leakage Current       | 0.5 uA (5min 25°C)   |

### Dimensions

|           |                 |
|-----------|-----------------|
| Footprint | 3216            |
| L         | 3.2mm +/-0.2mm  |
| W         | 1.6mm +/-0.2mm  |
| H         | 1.6mm +/-0.2mm  |
| T         | 0.13mm REF      |
| S         | 0.8mm +/-0.3mm  |
| F         | 1.2mm +/-0.1mm  |
| A         | 1.2mm MIN       |
| B         | 0.4mm +/-0.15mm |
| E         | 1.3mm REF       |
| G         | 1.1mm REF       |
| P         | 0.4mm REF       |
| R         | 0.4mm REF       |
| X         | 0.1mm +/-0.1mm  |

### Packaging Specifications

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

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