

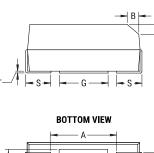
## T498X107K016AGE075

T498, Tantalum, MnO2 Tantalum, High Temperature, 100 uF, 10%, 16 VDC, SMD, MnO2, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 75 mOhms, 7343, 4.3 mm, 1.3 mm

CATHODE (-) END VIEW



ANODE (+) END VIEW



SIDE VIEW



Click here for the 3D model.

| General Information      |   |
|--------------------------|---|
| Series                   | T498  |
| Dielectric               | MnO2 Tantalum                                       |
| Style                    | SMD Chip  |
| Description              | SMD, MnO2, Molded, Hi-Temp,<br>150C, Auto, AEC-Q200 |
| Features                 | Automotive, 150C                                    |
| RoHS                     | Yes   |
| Termination              | Gold  |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 652.04 mg   |
| Shelf Life               | 156 Weeks   |
| MSL                      | 1   |

| Dimensions |                    |
|------------|--------------------|
| L          | 7.3mm +/-0.3mm     |
| W          | 4.3mm +/-0.3mm     |
| н          | 4mm +/-0.3mm       |
| т          | 0.13mm REF         |
| S          | 1.3mm +/-0.3mm     |
| F          | 2.4mm +/-0.1mm     |
| A          | 3.8mm MIN          |
| В          | 0.5mm +/-0.15mm    |
| E          | 3.5mm REF          |
| G          | 3.5mm REF          |
| Р          | 1.7mm REF          |
| R          | 1mm REF            |
| х          | 0.1mm +/-0.1mm REF |

| NOL                |   |
|--------------------|---|
|                    |   |
| Specifications     |   |
| Capacitance        | 100 uF  |
| Tolerance          | 10%   |
| Voltage DC         | 16 VDC (85C), 12.75 VDC (125C),<br>10.72 VDC (150C)                         |
| Temperature Range  | -55/+150°C  |
| Rated Temperature  | 85°C  |
| Dissipation Factor | 6% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 75 mOhms (100kHz 25C)   |
| Ripple Current     | 1483 mA (rms, 100kHz 25C),<br>1334.7 mA (rms, 85C), 444.9 mA<br>(rms, 150C) |
| Leakage Current    | 16 uA (5min 25°C)   |
|                    |   |

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

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