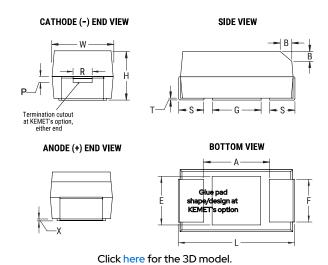


## T498D686K006ATE600

T498, Tantalum, MnO2 Tantalum, High Temperature, 68 uF, 10%, 6.3 VDC, SMD, MnO2, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 600 mOhms, 7343, 3.1 mm, 1.3 mm



| 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              | Tin   |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 446.84 mg   |
| Shelf Life               | 156 Weeks   |
| MSL                      | 1   |

| Dimensions |                    |
|------------|--------------------|
| L          | 7.3mm +/-0.3mm     |
| W          | 4.3mm +/-0.3mm     |
| Н          | 2.8mm +/-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          |
| P          | 0.9mm REF          |
| R          | 1mm REF            |
| X          | 0.1mm +/-0.1mm REF |

| Specifications     |   |
|--------------------|---|
| Capacitance        | 68 uF   |
| Tolerance          | 10%   |
| Voltage DC         | 6.3 VDC (85C), 5.02 VDC<br>(125C), 4.22 VDC (150C)                    |
| Temperature Range  | -55/+150°C  |
| Rated Temperature  | 85°C  |
| Dissipation Factor | 4.5% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 600 mOhms (100kHz 25C)  |
| Ripple Current     | 500 mA (rms, 100kHz 25C), 450<br>mA (rms, 85C), 150 mA (rms,<br>150C) |
| Leakage Current    | 4.3 uA (5min 25°C)  |

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

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.

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