

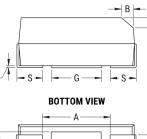
## T498C105M050ATE3K3

T498, Tantalum, MnO2 Tantalum, High Temperature, 1 uF, 20%, 50 VDC, SMD, MnO2, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 3.3 Ohms, 6032, Height Max = 2.8mm

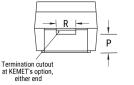
CATHODE (-) END VIEW

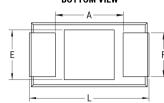


ANODE (+) END VIEW



SIDE VIEW





| Click here for the 3D model. |
|------------------------------|
|------------------------------|

| Dimensions |                 |
|------------|-----------------|
| Footprint  | 6032            |
| L          | 6mm +/-0.3mm    |
| W          | 3.2mm +/-0.3mm  |
| Н          | 2.5mm +/-0.3mm  |
| Т          | 0.13mm REF      |
| S          | 1.3mm +/-0.3mm  |
| F          | 2.2mm +/-0.1mm  |
| А          | 3.1mm MIN       |
| В          | 0.5mm +/-0.15mm |
| E          | 2.4mm REF       |
| G          | 2.8mm REF       |
| Р          | 0.9mm REF       |
| R          | 1mm REF         |
| Х          | 0.1mm +/-0.1mm  |
|            |                 |

т

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

| General Information |   |
|---------------------|---|
| Series              | T498  |
| Dielectric          | MnO2 Tantalum                                       |
| Style               | SMD Chip  |
| Description         | SMD, MnO2, Molded, Hi-Temp, 150C, Auto,<br>AEC-Q200 |
| Features            | Automotive, 150C                                    |
| RoHS                | Yes   |
| Termination         | Tin   |
| Qualifications      | AEC-Q200  |
| AEC-Q200            | Yes   |
| Component<br>Weight | 224.48 mg   |
| Shelf Life          | 156 Weeks   |
| MSL                 | 1   |

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

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