

T498A104M050ATE27K

T498, Tantalum, MnO₂ Tantalum, High Temperature, .1uF, 20%, 50 VDC, SMD, MnO₂, Molded, Hi-Temp, 150C, Auto, AEC-Q200, N/A, 27 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

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| Series | T498 |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , 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

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|-----------------------|--|
| Capacitance | .1uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 50 VDC (85C), 40 VDC (125C), 33.5 VDC (150C) |
| Temperature Range | -55/+150°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 3% 120Hz 25C |
| Failure Rate | N/A |
| Resistance | 27000 mOhms (100kHz 25C) |
| Ripple Current | 53 mA (rms, 100kHz 25C), 47.7 mA (rms, 85C), 15.9 mA (rms, 150C) |
| Leakage Current | 0.5 uA (5min 25°C) |

Dimensions

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|-----------|-----------------|
| 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

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

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