



General Information

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| Series | T499 |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Molded, Hi-Temp, 175C, Auto, AEC-Q200 |
| Features | Automotive, 175C |
| RoHS | Yes |
| Termination | Tin |
| Qualifications | AEC-Q200 |
| Typical Component Weight | 446.84 mg |
| Shelf Life | 156 Weeks |
| MSL | 1 |

Dimensions

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| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 2.8mm +/-0.3mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.4mm +/-0.1mm |
| A | 3.8mm MIN |
| B | 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

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| Capacitance | 150 uF |
| Tolerance | 10% |
| Voltage DC | 6.3 VDC (85C), 4.91 VDC (125C), 3.15 VDC (175C) |
| Temperature Range | -55/+175°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 8% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 700 mOhms (100kHz 25C) |
| Ripple Current | 463 mA (rms, 100kHz 25C), 416.7 mA (rms, 85C), 92.6 mA (rms, 175C) |
| Leakage Current | 9.45 uA (5min 25°C) |

Packaging Specifications

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

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