



Click [here](#) for the 3D model.

General Information

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|--------------------------|---|
| Series | T510 Auto |
| Dielectric | MnO ₂ Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO ₂ , Multi-Anode, LowESR, Auto, AEC-Q200 |
| Features | Automotive, Low ESR |
| RoHS | Yes |
| Termination | Tin |
| Qualifications | AEC-Q200 |
| Typical Component Weight | 430.15 mg |
| MSL | 1 |

Specifications

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|--------------------|--|
| Capacitance | 680 uF |
| Tolerance | 10% |
| Voltage DC | 4 VDC (85C), 2.68 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 6% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 30 mOhms (100kHz 25C) |
| Ripple Current | 3000 mA (rms, 100kHz 25C), 2700 mA (rms, 85C), 1200 mA (rms, 125C) |
| Leakage Current | 27.2 uA (5min 25°C) |

Dimensions

| | |
|---|--------------------|
| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 4mm +/-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 | 1.7mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm REF |

Packaging Specifications

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

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