



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

General Information

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| Series | T521 |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, Low Profile/ESR, NonCombustible |
| Features | Low ESR, High Voltage |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/ |
| SCIP Number | b064b03e-bd75-42af-b342-1fe94dec2340 |
| Termination | Tin Lead (SnPb) |
| AEC-Q200 | No |
| Typical Component Weight | 54.84 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Dimensions

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|-----------|----------------|
| Footprint | 3528 |
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.1mm +/-0.1mm |
| T | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 1.9mm MIN |
| X | 0.05mm REF |

Packaging Specifications

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|--------------------|------------|
| Packaging | T&R, 330mm |
| Packaging Quantity | 10000 |

Specifications

| | |
|-----------------------|---|
| Capacitance | 33 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 16 VDC (105C) |
| Temperature Range | -55/+105°C |
| Rated Temperature | 105°C |
| Life | 2000 Hrs (105C) |
| Humidity | 60C, 90% RH, 500 Hours, No Load |
| Dissipation Factor | 8% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 45 mOhms (100kHz 25C) |
| Ripple Current | 1890 mA (rms, 100kHz 45C), 1323 mA (rms, 85C), 472.5 mA (rms, 105C) |
| Leakage Current | 52.8 uA (5min 25°C) |

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