

T591B157M004ATE070

T591, Tantalum, Polymer Tantalum, 150 uF, 20%, 4 VDC, SMD, Polymer, Molded, Low ESR, 70 mOhms, 3528, Height Max = 2.1mm

CATHODE (-) END VIEW



SIDE VIEW

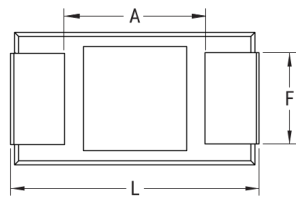


ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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

Dimensions

| | |
|-----------|-----------------|
| Footprint | 3528 |
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.9mm +/-0.2mm |
| T | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 1.1mm MIN |
| B | 0.4mm +/-0.15mm |
| P | 0.5mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm |

Packaging Specifications

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

General Information

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|------------------|--|
| Series | T591 |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, Low ESR |
| Features | Automotive |
| RoHS | Yes |
| Termination | Tin |
| Qualifications | AEC-Q200 (Limited 500 Hrs 85C/85% RH/Ur) |
| AEC-Q200 | Subject to PPAP/PSW and change control |
| Component Weight | 94.9 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Specifications

| | |
|-----------------------|---|
| Capacitance | 150 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 4 VDC (105C), 2.4 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 105°C |
| Humidity | 85C, 85% RH, load, 500 Hours |
| Dissipation Factor | 8% 120Hz 25C |
| Failure Rate | N/A |
| Resistance | 70 mOhms (100kHz 25C) |
| Ripple Current | 1390 mA (rms, 100kHz 45C), 973 mA (rms, 105C), 347.5 mA (rms, 125C) |
| Leakage Current | 60 uA (5min 25°C) |