

T591, Tantalum, Polymer Tantalum, 100 uF, 20%, 4 VDC, SMD, Polymer, Molded, Low ESR, 45 mOhms, 3528, Height Max = 2.1mm



| General Information | |
|---------------------|--|
| 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 |
| Shelf Life: | 52 Weeks |
| MSL: | 3 |

| 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 |

| Specifications | |
|------------------------|---|
| Capacitance: | 100 uF |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 4 VDC (105C), 2.68 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: | 45 mOhms (100kHz 25C) |
| Ripple Current: | 1680 mA (rms, 100kHz 45C), 1512 mA (rms, 85C), 420 mA (rms, 125C) |
| Leakage Current: | 40 uA (5min 25°C) |

| Packaging Specifications | |
|--------------------------|------------|
| Weight: | 94.85 mg |
| Packaging: | T&R, 178mm |
| Packaging Quantity: | 2000 |

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