

T525, Tantalum, Polymer Tantalum, 68 uF, 20%, 6.3 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 80 mOhms, 3528, Height Max = 2.1mm



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 | 1.9mm MIN |
| B | 0.4mm +/-0.15mm |
| P | 0.5mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm |

Packaging Specifications

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

General Information

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|--------------|--|
| Series: | T525 |
| Dielectric: | Polymer Tantalum |
| Style: | SMD Chip |
| Description: | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Features: | Low ESR |
| RoHS: | Yes |
| Termination: | Tin |
| AEC-Q200: | No |
| Shelf Life: | 52 Weeks |
| MSL: | 3 |

Specifications

| | |
|------------------------|--|
| Capacitance: | 68 uF |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 6.3 VDC (105C), 4.22 VDC (125C) |
| Temperature Range: | -55/+125°C |
| Rated Temperature: | 105°C |
| Humidity: | 60C, 90% RH, 1000 Hours, No Load |
| Dissipation Factor: | 8% 120Hz 25C |
| Failure Rate: | N/A |
| Resistance: | 80 mOhms (100kHz 25C) |
| Ripple Current: | 1300 mA (rms, 100kHz 45C), 910 mA (rms, 85C), 325 mA (rms, 125C) |
| Leakage Current: | 42.8 uA (5min 25°C) |