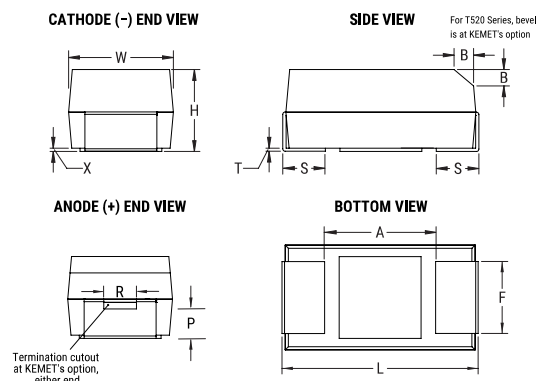


T520, Tantalum, Polymer Tantalum, 100 uF, 20%, 10 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 45 mOhms, 6032, Height Max = 2.8mm



Dimensions

| Footprint | 6032 |
|-----------|-----------------|
| L | 6mm +/-0.3mm |
| W | 3.2mm +/-0.2mm |
| H | 2.5mm +/-0.3mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 2.9mm MIN |
| B | 0.5mm +/-0.15mm |
| P | 0.9mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm |

Packaging Specifications

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

General Information

| | |
|-------------------|--|
| Series: | T520 |
| Dielectric: | Polymer Tantalum |
| Style: | SMD Chip |
| Description: | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Features: | Low ESR |
| RoHS: | Yes |
| Termination: | Tin |
| AEC-Q200: | No |
| Component Weight: | 184.14 mg |
| Shelf Life: | 52 Weeks |
| MSL: | 3 |

Specifications

| | |
|------------------------|---|
| Capacitance: | 100 uF |
| Capacitance Tolerance: | 20% |
| Voltage DC: | 10 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 |
| Resistance: | 45 mOhms (100kHz 25C) |
| Ripple Current: | 1900 mA (rms, 100kHz 45C), 1330 mA (rms, 85C), 475 mA (rms, 105C) |
| Leakage Current: | 100 uA (5min 25°C) |