

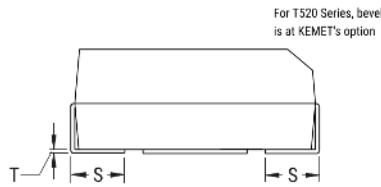
T520V227M2R5ATE007

T520, Tantalum, Polymer Tantalum, 220 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low Profile/ESR, NonCombustible, 7 mOhms, 7343, Height Max = 1.9mm

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 | 7343 |
| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 1.8mm +/-0.1mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.4mm +/-0.1mm |
| A | 3.8mm MIN |
| X | 0.05mm REF |

Packaging Specifications

| | |
|--------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 1000 |

General Information

| | |
|------------------|---|
| Series | T520 |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, Low Profile/ESR, NonCombustible |
| Features | Low ESR |
| RoHS | Yes |
| Termination | Tin |
| AEC-Q200 | No |
| Component Weight | 274.3 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Specifications

| | |
|-----------------------|--|
| Capacitance | 220 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 2.5 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 | 10% 120Hz 25C |
| Failure Rate | N/A |
| Resistance | 7 mOhms (100kHz 25C) |
| Ripple Current | 5200 mA (rms, 100kHz 45C), 3640 mA (rms, 85C), 1300 mA (rms, 105C) |
| Leakage Current | 55 uA (5min 25°C) |

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