



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

## General Information

|                          |  |
|--------------------------|--|
| Series                   | T520   |
| Dielectric               | Polymer Tantalum   |
| Style                    | SMD Chip   |
| Description              | SMD, Polymer, Molded, Low ESR, Non-Combustible   |
| Features                 | Low ESR  |
| RoHS                     | No   |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a> |
| SCIP Number              | b064b03e-bd75-42af-b342-1fe94dec2340   |
| Termination              | Tin Lead (SnPb)  |
| Typical Component Weight | 434.83 mg  |
| Shelf Life               | 52 Weeks   |
| MSL                      | 3  |

## Dimensions

|   |                    |
|---|--------------------|
| L | 7.3mm +/-0.3mm     |
| W | 4.3mm +/-0.3mm     |
| H | 2.8mm +/-0.3mm     |
| T | 0.13mm REF         |
| S | 1.3mm +/-0.3mm     |
| F | 2.4mm +/-0.1mm     |
| A | 3.8mm MIN          |
| B | 0.5mm +/-0.15mm    |
| P | 0.9mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

## Packaging Specifications

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

## Specifications

|                    |   |
|--------------------|---|
| Capacitance        | 220 uF  |
| 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 | 10% 120Hz 25C   |
| Failure Rate       | N/A   |
| ESR                | 18 mOhms (100kHz 25C)   |
| Ripple Current     | 3500 mA (rms, 100kHz 45C), 2450 mA (rms, 85C), 875 mA (rms, 105C) |
| Leakage Current    | 220 uA (5min 25°C)  |

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