



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

## General Information

|                          |  |
|--------------------------|--|
| Series                   | T521   |
| Dielectric               | Polymer Tantalum   |
| Style                    | SMD Chip   |
| Description              | SMD, Polymer, Molded, Low ESR, Non-Combustible   |
| Features                 | Low ESR, High Voltage  |
| 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)  |
| AEC-Q200                 | No   |
| Typical Component Weight | 94.85 mg   |
| Shelf Life               | 52 Weeks   |
| MSL                      | 3  |

## Dimensions

|   |                    |
|---|--------------------|
| L | 3.5mm +/-0.2mm     |
| W | 2.8mm +/-0.2mm     |
| H | 1.9mm +/-0.1mm     |
| 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 REF |

## Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 2000       |

## Specifications

|                    |   |
|--------------------|---|
| Capacitance        | 22 uF   |
| Tolerance          | 20%   |
| Voltage DC         | 16 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   |
| ESR                | 90 mOhms (100kHz 25C)   |
| Ripple Current     | 1490 mA (rms, 100kHz 45C), 1043 mA (rms, 85C), 372.5 mA (rms, 105C) |
| Leakage Current    | 35.2 uA (5min 25°C)   |

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