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**CATHODE (-) END VIEW**
**SIDE VIEW**
**ANODE (+) END VIEW**
**BOTTOM VIEW**
**General Information**

|                          |  |
|--------------------------|--|
| Series                   | T521   |
| Dielectric               | Polymer Tantalum                               |
| Style                    | SMD Chip                                       |
| Description              | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Features                 | Low ESR, High Voltage                          |
| RoHS                     | Yes  |
| Termination              | Tin  |
| 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   |
| <b>Packaging Specifications</b> |  |
| Packaging                       | T&R, 178mm   |
| Packaging Quantity              | 2000   |
| <b>General Information</b>      |  |
| Capacitance                     | 10 uF  |
| Tolerance                       | 20%  |
| Voltage DC                      | 35 VDC (105C), 23.45 VDC (125C)  |
| Temperature Range               | -55/+125°C   |
| Rated Temperature               | 105°C  |
| Life                            | 1000 Hrs (125C)  |
| Humidity                        | 60C, 90% RH, 500 Hours, No Load  |
| Dissipation Factor              | 8% 120Hz 25C   |
| Failure Rate                    | N/A  |
| ESR                             | 100 mOhms (100kHz 25C)   |
| Ripple Current                  | 1410 mA (rms, 100kHz 45/85C), 987 mA (rms, 105C), 352.5 mA (rms, 125C) |
| Leakage Current                 | 35 uA (5min 25°C)  |

**Dimensions**
**Specifications**
**Packaging Specifications**

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