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**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  |
| Typical Component Weight | 553.96 mg                                      |
| Shelf Life               | 52 Weeks                                       |
| MSL                      | 3  |

| Dimensions |                    |
|------------|--------------------|
| L          | 7.3mm +/-0.3mm     |
| W          | 4.3mm +/-0.3mm     |
| H          | 4mm +/-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          | 1.7mm REF          |
| R          | 1mm REF            |
| X          | 0.1mm +/-0.1mm REF |

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

| Specifications     |  |
|--------------------|--|
| Capacitance        | 330 uF   |
| Tolerance          | 20%  |
| Voltage DC         | 16 VDC (105C), 10.72 VDC (125C)  |
| Temperature Range  | -55/+125°C   |
| Rated Temperature  | 105°C  |
| Life               | 2000 Hrs (125C)  |
| Humidity           | 60C, 90% RH, 500 Hours, No Load  |
| Dissipation Factor | 10% 120Hz 25C  |
| Failure Rate       | N/A  |
| ESR                | 25 mOhms (100kHz 25C)  |
| Ripple Current     | 4000 mA (rms, 100kHz 45/85C), 2800 mA (rms, 105C), 1000 mA (rms, 125C) |
| Leakage Current    | 528 uA (5min 25°C)   |

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