



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

General Information

| | |
|--------------------------|---|
| Series | T521 |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, Low Profile/ESR, NonCombustible |
| Features | Low ESR, High Voltage |
| RoHS | Yes |
| Termination | Tin |
| Typical Component Weight | 274.3 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Dimensions

| | |
|---|----------------|
| L | 7.3mm +/-0.3mm |
| W | 4.3mm +/-0.3mm |
| H | 1.8mm +/-0.2mm |
| 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 |

Specifications

| | |
|--------------------|---|
| Capacitance | 47 uF |
| Tolerance | 20% |
| Voltage DC | 20 VDC (105C), 13.4 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 | 80 mOhms (100kHz 25C) |
| Ripple Current | 1840 mA (rms, 100kHz 45/85C), 1288 mA (rms, 105C), 460 mA (rms, 125C) |
| Leakage Current | 94 uA (5min 25°C) |

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