

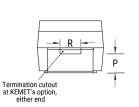
T521B476M016ATE090

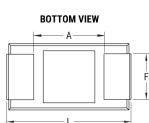
T521, Tantalum, Polymer Tantalum, 47 uF, 20%, 16 VDC, SMD, Polymer, Molded, Low ESR, Non-Combustible, 90 mOhms, 3528, Height Max = 2mm

CATHODE (-) END VIEW



ANODE (+) END VIEW





Click here for the 3D model.

| Dimensions | |
|------------|-----------------|
| Footprint | 3528 |
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| Н | 1.9mm +/-0.1mm |
| Т | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| А | 1.9mm MIN |
| В | 0.4mm +/-0.15mm |
| Ρ | 0.5mm REF |
| R | 1mm REF |
| Х | 0.1mm +/-0.1mm |
| | |

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

| 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 |
| Component Weight | 94.85 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

| Specifications | / |
|---------------------------|--|
| Capacitance | 47 uF |
| Capacitance 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 |
| Resistance | 90 mOhms (100kHz 25C) |
| Ripple Current | 1490 mA (rms, 100kHz 45C), 1490 mA (rms, 85C), 372.5 mA (rms, 125C) |
| Leakage Current | 75.2 uA (5min 25°C) |

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