



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

#### General Information

|                          |  |
|--------------------------|--|
| Series                   | T550   |
| Dielectric               | Polymer Tantalum   |
| Style                    | Axial Hermetic   |
| 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              | 25028bfc-e2dd-4865-8096-81457a62194a   |
| Termination              | Lead (SnPb)  |
| Lead                     | Wire Leads   |
| AEC-Q200                 | No   |
| Construction             | Hermetic   |
| Typical Component Weight | 3.63 g   |
| Miscellaneous            | Sleeved.   |
| Notes                    | Dimensions Include Insulating Sleeve. When Supplied On T&R Or Ammo, Lead Length Is Determined By Taping Specification.       |
| Shelf Life               | 156 Weeks  |

#### Specifications

|                         |  |
|-------------------------|--|
| Capacitance             | 47 uF  |
| Tolerance               | 20%  |
| Voltage DC              | 50 VDC (85C), 39 VDC (105C), 57.5 VDC (85C Surge)                          |
| Temperature Range       | -55/+105°C   |
| Life                    | 2000 Hrs   |
| Dissipation Factor      | 5% (120Hz 25C)   |
| Failure Rate            | N/A  |
| ESR                     | 150 mOhm (100kHz 25C)  |
| Ripple Current          | 1350 mAmps (40kHz 85C)   |
| Leakage Current         | 17.6 uA (5min 25°C)  |
| Testing and Reliability | 25C +/-5C, 10 cycles, after constant voltage conditioning (KEMET standard) |

#### Dimensions

|    |                      |
|----|----------------------|
| D  | 7.34mm +0.41/-0.38mm |
| L  | 17.42mm +/-0.79mm    |
| L2 | 20.88mm MAX          |
| LL | 38.1mm +/-6.35mm     |
| F  | 0.64mm +/-0.05mm     |

#### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Tray |
| Packaging Quantity | 20   |

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