



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

#### General Information

|               |   |
|---------------|---|
| Series        | T529  |
| Dielectric    | Polymer Tantalum  |
| Style         | SMD Chip  |
| Description   | SMD, Polymer, Substrate   |
| Features      | Substrate   |
| RoHS          | Yes   |
| Termination   | Gold  |
| AEC-Q200      | No  |
| Miscellaneous | Not recommended for new designs. Please contact your KEMET representative for a replacement part. |
| Shelf Life    | 52 Weeks  |
| MSL           | 3   |

#### Specifications

|                    |   |
|--------------------|---|
| Capacitance        | 47 uF   |
| Tolerance          | 20%   |
| Voltage DC         | 10 VDC (85C), 8 VDC (105C)  |
| Temperature Range  | -55/+105°C  |
| Rated Temperature  | 85°C  |
| Life               | 2000 Hrs (105C)   |
| Humidity           | 60C, 90% RH, 500 Hours, No Load                                     |
| Dissipation Factor | 6% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 200 mOhms (100kHz 25C)  |
| Ripple Current     | 354 mA (rms, 100kHz 45C), 318.6 mA (rms, 85C), 141.6 mA (rms, 105C) |
| Leakage Current    | 141 uA (5min 25°C)  |

#### Dimensions

|   |                 |
|---|-----------------|
| L | 2mm +/-0.1mm    |
| W | 1.25mm +/-0.1mm |
| H | 1mm MAX         |
| S | 0.55mm +/-0.1mm |
| F | 0.9mm +/-0.1mm  |

#### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 3000       |