

# T540B476K006BH8510

T540 HRA, Tantalum, Polymer Tantalum, HRA, 47 uF, 10%, 6.3 VDC, SMD, Polymer, Molded, High Reliability, B (0.1%/1000 Hrs), 80 mOhms, 2.1 mm, 1411/ 3528



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

## General Information

|                          |  |
|--------------------------|--|
| Series                   | T540 HRA   |
| Dielectric               | Polymer Tantalum   |
| Style                    | SMD Chip   |
| Description              | SMD, Polymer, Molded, High Reliability   |
| Features                 | Non-Combustible, Low ESR, High Reliability   |
| 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              | b064b03e-bd75-42af-b342-1fe94dec2340   |
| Termination              | Tin Lead (SnPb)  |
| Typical Component Weight | 98.3 mg  |
| Shelf Life               | 52 Weeks   |
| MSL                      | 3  |

## Dimensions

|   |                    |
|---|--------------------|
| L | 3.5mm +/-0.2mm     |
| W | 2.8mm +/-0.2mm     |
| H | 1.9mm +/-0.2mm     |
| T | 0.13mm REF         |
| S | 0.8mm +/-0.3mm     |
| F | 2.2mm +/-0.1mm     |
| A | 1.9mm MIN          |
| B | 0.4mm +/-0.15mm    |
| E | 2.2mm REF          |
| G | 1.8mm REF          |
| P | 0.5mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

## Packaging Specifications

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

## Specifications

|                         |  |
|-------------------------|--|
| Capacitance             | 47 uF  |
| Tolerance               | 10%  |
| Voltage DC              | 6.3 VDC (105C), 4.22 VDC (125C)                      |
| Temperature Range       | -55/+125°C   |
| Rated Temperature       | 105°C  |
| Life                    | 2000 Hrs (125C)                                      |
| Humidity                | 85C, 85% RH, 1000 Hours, rated voltage               |
| Dissipation Factor      | 8% 120Hz 25C   |
| Failure Rate            | B (0.1%/1000 Hrs)                                    |
| ESR                     | 80 mOhms (100kHz 25C)                                |
| Ripple Current          | 1260 mA (rms, 100kHz 45C)                            |
| Leakage Current         | 30 uA (5min 25°C)                                    |
| Testing and Reliability | 4 Cycles At 25C +/-5C & Improved Humidity Capability |

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