



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)                                                                                                              |
| AEC-Q200                 | No                                                                                                                           |
| Typical Component Weight | 193.46 mg                                                                                                                    |
| Shelf Life               | 52 Weeks                                                                                                                     |
| MSL                      | 3                                                                                                                            |

## Dimensions

|   |                    |
|---|--------------------|
| L | 6mm +/-0.3mm       |
| W | 3.2mm +/-0.3mm     |
| H | 2.5mm +/-0.3mm     |
| T | 0.13mm REF         |
| S | 1.3mm +/-0.3mm     |
| F | 2.2mm +/-0.1mm     |
| A | 3.1mm MIN          |
| B | 0.5mm +/-0.15mm    |
| E | 2.4mm REF          |
| G | 2.8mm REF          |
| P | 0.9mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

## Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 500        |

## Specifications

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
| Capacitance             | 6.8 uF                                                                             |
| Tolerance               | 20%                                                                                |
| Voltage DC              | 25 VDC (105C), 16.75 VDC (125C)                                                    |
| Temperature Range       | -55/+125°C                                                                         |
| Rated Temperature       | 105°C                                                                              |
| Life                    | 2000 Hrs (125C)                                                                    |
| Humidity                | 60C, 90% RH, 500 Hours, rated voltage                                              |
| Dissipation Factor      | 10% 120Hz 25C                                                                      |
| Failure Rate            | N/A                                                                                |
| ESR                     | 150 mOhms (100kHz 25C)                                                             |
| Ripple Current          | 1049 mA (rms, 100kHz 45C)                                                          |
| Leakage Current         | 17 uA (5min 25°C)                                                                  |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C +0C/-5C And +85C +/-5C After Voltage Aging |

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