

# T541X158K2R5BT8505

T541 HRA, Tantalum, Polymer Tantalum, HRA Multi-Anode, 1,500 uF, 10%, 2.5 VDC, SMD, Polymer, Molded, High Reliability, Multi-Anode, Low ESR, B (0.1%/1000 Hrs), 12 mOhms, 4.3 mm, 2817 / 7343



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

## General Information

|                          |  |
|--------------------------|--|
| Series                   | T541 HRA   |
| Dielectric               | Polymer Tantalum   |
| Style                    | SMD Chip   |
| Description              | SMD, Polymer, Molded, High Reliability, Multi-Anode, Low ESR |
| Features                 | Non-Combustible, Multiple Anode, Low ESR, High Reliability   |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Typical Component Weight | 410.89 mg  |
| Shelf Life               | 52 Weeks   |
| MSL                      | 3  |

## Specifications

|                         |  |
|-------------------------|--|
| Capacitance             | 1,500 uF   |
| Tolerance               | 10%  |
| Voltage DC              | 2.5 VDC (105C), 1.68 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      | 10% 120Hz 25C  |
| Failure Rate            | B (0.1%/1000 Hrs)                                    |
| ESR                     | 12 mOhms (100kHz 25C)                                |
| Ripple Current          | 4743 mA (rms, 100kHz 45C)                            |
| Leakage Current         | 375 uA (5min 25°C)                                   |
| Testing and Reliability | 4 Cycles At 25C +/-5C & Improved Humidity Capability |

## Dimensions

|   |                    |
|---|--------------------|
| L | 7.3mm +/-0.3mm     |
| W | 4.3mm +/-0.3mm     |
| H | 4mm +/-0.3mm       |
| T | 0.13mm REF         |
| S | 1.3mm +/-0.3mm     |
| F | 2.4mm +/-0.1mm     |
| A | 3.8mm MIN          |
| B | 0.5mm +/-0.15mm    |
| E | 3.5mm REF          |
| G | 3.5mm REF          |
| P | 1.7mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

## Packaging Specifications

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

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