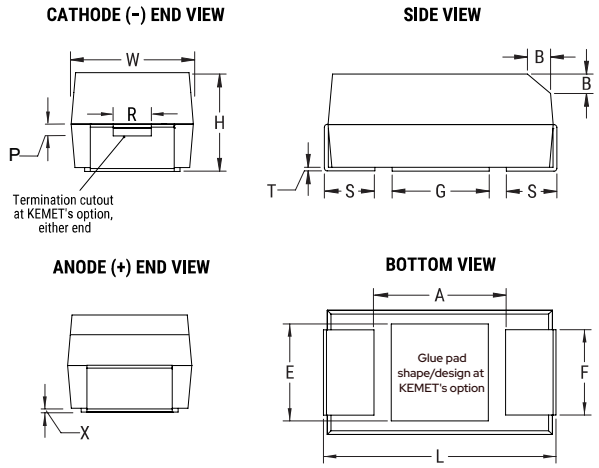
# T541X108K2R5CH8505

T541 HRA, Tantalum, Polymer Tantalum, HRA Multi-Anode, 1,000 uF, 10%, 2.5 VDC, SMD, Polymer, Molded, High Reliability, Multi-Anode, Low ESR, C (0.01%/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 | No |
| Prop 65 | **WARNING:** Cancer and reproductive harm - https://www.p65warnings.ca.gov/ . |
| SCIP Number | b064b03e-bd75-42af-b342-1fe94dec2340 |
| Termination | Tin Lead (SnPb) |
| Typical Component Weight | 410.89 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

| 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 |

| Specifications | |
|---|---|
| Capacitance | 1,000 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 | C (0.01%/1000 Hrs) |
| ESR | 12 mOhms (100kHz 25C) |
| Ripple Current | 4743 mA (rms, 100kHz 45C) |
| Leakage Current | 250 uA (5min 25°C) |
| Testing and Reliability | 4 Cycles At 25C +/-5C & Improved Humidity Capability |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



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