

T543X477M010AHW020

T543 HRA, Tantalum, Polymer Tantalum, HRA, 470 uF, 20%, 10 VDC, SMD, Polymer, Molded, High Reliability, Up Screening, N/A, 20 mOhms, 7343, Height Max = 4.3mm

CATHODE (-) END VIEW



SIDE VIEW



ANODE (+) END VIEW



Termination cutout at KEMET's option, either end

BOTTOM VIEW



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

Dimensions

| | |
|-----------|-----------------|
| Footprint | 7343 |
| 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 |

Packaging Specifications

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

General Information

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|------------------|--|
| Series | T543 HRA |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, High Reliability, Up Screening |
| Features | Non-Combustible, Up Screening, Low ESR, High Reliability |
| RoHS | No |
| Prop 65 | ⚠ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov |
| SCIP Number | b064b03e-bd75-42af-b342-1fe94dec2340 |
| Termination | Solder Coated |
| AEC-Q200 | No |
| Component Weight | 588.16 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Specifications

| | |
|-------------------------|--|
| Capacitance | 470 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 10 VDC (105C) |
| Temperature Range | -55/+105°C |
| Rated Temperature | 105°C |
| Humidity | 60C, 90% RH, 500 Hours |
| Dissipation Factor | 10% 120Hz 25C |
| Failure Rate | N/A |
| Resistance | 20 mOhms (100kHz) |
| Ripple Current | 3674 mA (rms, 100kHz 45C) |
| Leakage Current | 470 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C |

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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