

## T543X107K020AHW035

T543 HRA, Tantalum, Polymer Tantalum, HRA, 100 uF, 10%, 20 VDC, SMD, Polymer, Molded, High Reliability, Up Screening, N/A, 35 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.

### General Information

|                  |  |
|------------------|--|
| 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          | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> |
| Termination      | Solder Coated  |
| AEC-Q200         | No   |
| Component Weight | 588.16 mg  |
| Shelf Life       | 52 Weeks   |
| MSL              | 3  |

### 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  |

### Specifications

|                         |  |
|-------------------------|--|
| Capacitance             | 100 uF   |
| Capacitance Tolerance   | 10%  |
| Voltage DC              | 20 VDC (105C), 13.4 VDC (125C)                   |
| Temperature Range       | -55/+125°C                                       |
| Rated Temperature       | 105°C  |
| Humidity                | 60C, 90% RH, 500 Hours                           |
| Dissipation Factor      | 10% 120Hz 25C                                    |
| Failure Rate            | N/A  |
| Resistance              | 35 mOhms (100kHz)                                |
| Ripple Current          | 2657 mA (rms, 100kHz 45C)                        |
| Leakage Current         | 200 uA (5min 25°C)                               |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C |

### Packaging Specifications

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

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