



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

General Information

| | |
|--------------------------|--|
| Series | T543 HRA |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, Up Screening |
| Features | Non-Combustible, 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) |
| AEC-Q200 | No |
| Typical Component Weight | 98.3 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

| Dimensions | |
|------------|--------------------|
| L | 3.5mm +/-0.2mm |
| W | 2.8mm +/-0.2mm |
| H | 1.9mm +/-0.2mm |
| T | 0.13mm REF |
| S | 0.8mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 1.9mm MIN |
| B | 0.4mm +/-0.15mm |
| E | 2.2mm REF |
| G | 1.8mm REF |
| P | 0.5mm REF |
| R | 1mm REF |
| X | 0.1mm +/-0.1mm REF |

| Specifications | |
|-------------------------|--|
| Capacitance | 47 uF |
| Tolerance | 20% |
| Voltage DC | 6.3 VDC (105C), 4.22 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 105°C |
| Humidity | 60C, 90% RH, 500 Hours |
| Dissipation Factor | 8% 120Hz 25C |
| Failure Rate | N/A |
| ESR | 25 mOhms (100kHz) |
| Ripple Current | 2254 mA (rms, 100kHz 45C) |
| Leakage Current | 29.6 uA (5min 25°C) |
| Testing and Reliability | 10 Cycles Surge Current Testing At -55C And +85C |

| Packaging Specifications | |
|--------------------------|------------|
| Packaging | T&R, 178mm |
| Packaging Quantity | 2000 |

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