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**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                     | Yes  |
| Termination              | Tin  |
| AEC-Q200                 | No   |
| Typical Component Weight | 53.17 mg                                   |
| Shelf Life               | 52 Weeks                                   |
| MSL                      | 3  |

**Dimensions**

|   |                    |
|---|--------------------|
| L | 3.2mm +/-0.2mm     |
| W | 1.6mm +/-0.2mm     |
| H | 1.6mm +/-0.2mm     |
| T | 0.13mm REF         |
| S | 0.8mm +/-0.3mm     |
| F | 1.2mm +/-0.1mm     |
| A | 1.2mm MIN          |
| B | 0.4mm +/-0.15mm    |
| E | 1.3mm REF          |
| G | 1.1mm REF          |
| P | 0.4mm REF          |
| R | 0.4mm REF          |
| X | 0.1mm +/-0.1mm REF |

**Specifications**

|                         |  |
|-------------------------|--|
| Capacitance             | 47 uF  |
| Tolerance               | 10%  |
| Voltage DC              | 6.3 VDC (105C)                                   |
| Temperature Range       | -55/+105°C                                       |
| Rated Temperature       | 105°C  |
| Humidity                | 60C, 90% RH, 500 Hours                           |
| Dissipation Factor      | 8% 120Hz 25C                                     |
| Failure Rate            | N/A  |
| ESR                     | 150 mOhms (100kHz)                               |
| Ripple Current          | 864 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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