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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  |
| 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             | 10 uF                     |
| Tolerance               | 20%                       |
| Voltage DC              | 25 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                       |
| ESR                     | 100 mOhms (100kHz)        |
| Ripple Current          | 1127 mA (rms, 100kHz 45C) |
| Leakage Current         | 25 uA (5min 25°C)         |
| Testing and Reliability | Standard Testing Only     |

### Packaging Specifications

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

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