



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

General Information

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| Series | T540 HRA |
| Dielectric | Polymer Tantalum |
| Style | SMD Chip |
| Description | SMD, Polymer, Molded, High Reliability |
| Features | Non-Combustible, Low ESR, High Reliability |
| RoHS | Yes |
| Termination | Tin |
| Typical Component Weight | 53.17 mg |
| Shelf Life | 52 Weeks |
| MSL | 3 |

Specifications

| | |
|-------------------------|---|
| Capacitance | 22 uF |
| Tolerance | 20% |
| Voltage DC | 10 VDC (105C), 6.7 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 105°C |
| Life | 2000 Hrs (125C) |
| Humidity | 60C, 90% RH, 500 Hours, rated voltage |
| Dissipation Factor | 8% 120Hz 25C |
| Failure Rate | B (0.1%/1000 Hrs) |
| ESR | 80 mOhms (100kHz 25C) |
| Ripple Current | 1183 mA (rms, 100kHz 45C) |
| Leakage Current | 22 uA (5min 25°C) |
| Testing and Reliability | 4 Cycles At +25C +/-5C Before Voltage Aging |

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 |

Packaging Specifications

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

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