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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 | 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 | Capacitance | 47 uF |
| W | 2.8mm +/-0.2mm | Tolerance | 20% |
| H | 1.9mm +/-0.2mm | Voltage DC | 6.3 VDC (105C), 4.22 VDC (125C) |
| T | 0.13mm REF | Temperature Range | -55/+125C |
| S | 0.8mm +/-0.3mm | Rated Temperature | 105C |
| F | 2.2mm +/-0.1mm | Life | 2000 Hrs (125C) |
| A | 1.9mm MIN | Humidity | 60C, 90% RH, 500 Hours, rated voltage |
| B | 0.4mm +/-0.15mm | Dissipation Factor | 8% 120Hz 25C |
| E | 2.2mm REF | Failure Rate | B (0.1%/1000 Hrs) |
| G | 1.8mm REF | ESR | 80 mOhms (100kHz 25C) |
| P | 0.5mm REF | Ripple Current | 1260 mA (rms, 100kHz 45C) |
| R | 1mm REF | Leakage Current | 30 uA (5min 25C) |
| X | 0.1mm +/-0.1mm REF | Testing and Reliability | 10 Cycles Surge Current Testing At -55C +0C/-5C And +85C +/-5C After Voltage Aging |

Packaging Specifications

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

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