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**General Information**

|                          |  |
|--------------------------|--|
| 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 | 352.36 mg                                  |
| Shelf Life               | 52 Weeks                                   |
| MSL                      | 3  |

**Specifications**

|                         |  |
|-------------------------|--|
| Capacitance             | 22 uF  |
| Tolerance               | 10%  |
| Voltage DC              | 30 VDC (105C), 20.1 VDC (125C)   |
| Temperature Range       | -55/+125°C   |
| Rated Temperature       | 105°C  |
| Life                    | 2000 Hrs (125C)  |
| Humidity                | 85C, 85% RH, 1000 Hours, rated voltage                                 |
| Dissipation Factor      | 10% 120Hz 25C  |
| Failure Rate            | N/A  |
| ESR                     | 100 mOhms (100kHz 25C)   |
| Ripple Current          | 1500 mA (rms, 100kHz 45C)  |
| Leakage Current         | 66 uA (5min 25°C)  |
| Testing and Reliability | 10 Cycles At -55C +0C/-5C and 85C +/-5C & Improved Humidity Capability |

**Dimensions**

|   |                    |
|---|--------------------|
| L | 7.3mm +/-0.3mm     |
| W | 4.3mm +/-0.3mm     |
| H | 2.8mm +/-0.3mm     |
| T | 0.13mm REF         |
| S | 1.3mm +/-0.3mm     |
| F | 2.4mm +/-0.1mm     |
| A | 3.8mm MIN          |
| B | 0.5mm +/-0.15mm    |
| E | 3.5mm REF          |
| G | 3.5mm REF          |
| P | 0.9mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

**Packaging Specifications**

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 500        |

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