

T540D476M020DT8705

T540 HRA, Tantalum, Polymer Tantalum, HRA, 47 uF, 20%, 20 VDC, SMD, Polymer, Molded, High Reliability, D (0.001%/1000 Hrs), 100 mOhms, 3.1 mm, 2817 / 7343



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

Specifications

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|-------------------------|--|
| Capacitance | 47 uF |
| Tolerance | 20% |
| Voltage DC | 20 VDC (105C), 13.4 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 | D (0.001%/1000 Hrs) |
| ESR | 100 mOhms (100kHz 25C) |
| Ripple Current | 1500 mA (rms, 100kHz 45C) |
| Leakage Current | 94 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

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

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