



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | T520  |
| Dielectric               | Polymer Tantalum                                      |
| Style                    | SMD Chip  |
| Description              | SMD, Polymer, Molded, Low Profile/ESR, NonCombustible |
| Features                 | Low ESR   |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Typical Component Weight | 117.36 mg   |
| Shelf Life               | 52 Weeks  |
| MSL                      | 3   |

### Dimensions

|   |                |
|---|----------------|
| L | 6mm +/-0.3mm   |
| W | 3.2mm +/-0.2mm |
| H | 1.4mm +/-0.1mm |
| T | 0.13mm REF     |
| S | 1.3mm +/-0.3mm |
| F | 2.2mm +/-0.1mm |
| A | 2.9mm MIN      |
| X | 0.05mm REF     |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, 178mm |
| Packaging Quantity | 1000       |

### Specifications

|                    |   |
|--------------------|---|
| Capacitance        | 150 uF  |
| Tolerance          | 20%   |
| Voltage DC         | 6.3 VDC (105C)  |
| Temperature Range  | -55/+105°C  |
| Rated Temperature  | 105°C   |
| Life               | 2000 Hrs (105C)   |
| Humidity           | 60C, 90% RH, 500 Hours, No Load                                   |
| Dissipation Factor | 8% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 55 mOhms (100kHz 25C)   |
| Ripple Current     | 1600 mA (rms, 100kHz 45C), 1120 mA (rms, 85C), 400 mA (rms, 105C) |
| Leakage Current    | 94.5 uA (5min 25°C)   |

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