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**General Information**

|                          |  |
|--------------------------|--|
| Series                   | T530   |
| Dielectric               | Polymer Tantalum                               |
| Style                    | SMD Chip                                       |
| Description              | SMD, Polymer, Molded, Multiple Anodes, Low ESR |
| Features                 | Low ESR  |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Typical Component Weight | 410.89 mg                                      |
| Shelf Life               | 52 Weeks                                       |
| MSL                      | 3  |

**Specifications**

|                    |   |
|--------------------|---|
| Capacitance        | 150 uF  |
| Tolerance          | 20%   |
| Voltage DC         | 16 VDC (105C), 10.72 VDC (125C)                                   |
| Temperature Range  | -55/ +125°C   |
| Rated Temperature  | 105°C   |
| Life               | 2000 Hrs (125C)   |
| Humidity           | 60C, 90% RH, 1000 Hours, No Load                                  |
| Dissipation Factor | 8% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 25 mOhms (100kHz 25C)   |
| Ripple Current     | 3300 mA (rms, 100kHz 45C), 2310 mA (rms, 85C), 825 mA (rms, 125C) |
| Leakage Current    | 240 uA (5min 25°C)  |

**Dimensions**

|   |                    |
|---|--------------------|
| L | 7.3mm +/-0.3mm     |
| W | 4.3mm +/-0.3mm     |
| H | 4mm +/-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    |
| P | 1.7mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

**Packaging Specifications**

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

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