

T510E687K006CC641B

T510 Space, Tantalum, MnO2 Tantalum, Space Multi-Anode, 680 uF, 10%, 6.3 VDC, SMD, MnO2, Molded, Large Case, Multi-Anode, LowESR, 23 mOhms, 3.8 mm, 2824 / 7360



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

General Information

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|--------------------------|--|
| Series | T510 Space |
| Dielectric | MnO2 Tantalum |
| Style | SMD Chip |
| Description | SMD, MnO2, Molded, Large Case, Multi-Anode, LowESR |
| Features | Multiple Anode, Low ESR, Aerospace |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/ |
| SCIP Number | ff0ac6de-04a5-49fb-9ad1-557da7f701ca |
| Termination | Hot Solder Dipped |
| Typical Component Weight | 500.73 mg |

Dimensions

| | |
|---|--------------------|
| L | 7.3mm +/-0.3mm |
| W | 6mm +/-0.3mm |
| H | 3.6mm +/-0.2mm |
| T | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 4.1mm +/-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 |

Specifications

| | |
|--------------------|---|
| Capacitance | 680 uF |
| Tolerance | 10% |
| Voltage DC | 6.3 VDC (85C), 4.22 VDC (125C) |
| Temperature Range | -55/+125°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 6% 120Hz 20C |
| Failure Rate | C (0.01%/1000 Hrs) |
| ESR | 23 mOhms (100kHz 20C) |
| Ripple Current | 3500 mA (100kHz 25C), 3150 mA (100kHz 85C), 1400 mA (100kHz 125C) |
| Leakage Current | 40.8 uA (5min 20°C) |

Packaging Specifications

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

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