

## T510X686K025AHA045

T510 Auto, Tantalum, MnO2 Tantalum, Multi-Anode, 68 uF, 10%, 25 VDC, SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200, 45 mOhms, 7343, 4.3 mm, 1.3 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | T510 Auto  |
| Dielectric               | MnO2 Tantalum  |
| Style                    | SMD Chip   |
| Description              | SMD, MnO2, Multi-Anode, LowESR, Auto, AEC-Q200   |
| Features                 | Automotive, Low ESR  |
| RoHS                     | No   |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a> |
| SCIP Number              | b064b03e-bd75-42af-b342-1fe94dec2340   |
| Termination              | Tin Lead (SnPb)  |
| Qualifications           | AEC-Q200   |
| AEC-Q200                 | Yes  |
| Typical Component Weight | 430.15 mg  |
| MSL                      | 1  |

### 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    |
| E | 3.5mm REF          |
| G | 3.5mm REF          |
| P | 1.7mm REF          |
| R | 1mm REF            |
| X | 0.1mm +/-0.1mm REF |

### Packaging Specifications

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

### Specifications

|                    |   |
|--------------------|---|
| Capacitance        | 68 uF   |
| Tolerance          | 10%   |
| Voltage DC         | 25 VDC (85C), 16.75 VDC (125C)  |
| Temperature Range  | -55/+125°C  |
| Rated Temperature  | 85°C  |
| Dissipation Factor | 8% 120Hz 25C  |
| Failure Rate       | N/A   |
| ESR                | 45 mOhms (100kHz 25C)   |
| Ripple Current     | 2449 mA (rms, 100kHz 25C), 2204.1 mA (rms, 85C), 979.6 mA (rms, 125C) |
| Leakage Current    | 17 uA (5min 25°C)   |

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