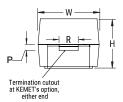


T510X686K025AHA045

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

CATHODE (-) END VIEW



ANODE (+) END VIEW

BOTTOM VIEW

SIDE VIEW

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 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov / |
| SCIP Number | b064b03e-bd75-42af-b342-1fe 94dec2340 |
| 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 |
| н | 4mm +/-0.3mm |
| т | 0.13mm REF |
| S | 1.3mm +/-0.3mm |
| F | 2.4mm +/-0.1mm |
| A | 3.8mm MIN |
| В | 0.5mm +/-0.15mm |
| E | 3.5mm REF |
| G | 3.5mm REF |
| Р | 1.7mm REF |
| R | 1mm REF |
| Х | 0.1mm +/-0.1mm REF |

| 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) |

Packaging Specifications

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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.