

TANTALUM CAPACITORS M35



Surface-Mount Wet Tantalum Capacitors

KEY BENEFITS

- Molded, surface-mount design
- Internal all-tantalum hermetic cell
- Tin/lead or 100 % tin (RoHS-compliant) terminations
- All industry-standard axial leaded wet tantalum "T1" case size ratings
- Maximum capacitance range: 220 μ F / 6 V to 6.8 μ F / 125 V

APPLICATIONS

• AMS (avionics, military, space) power supplies



Wet Tantalum Capacitors Surface Mount, Molded Case



PERFORMANCE CHARACTERISTICS

Operating Temperature: - 55 °C to + 85 °C (To + 125 °C with voltage derating)

Capacitance Tolerance: At 120 Hz, + 25 °C. \pm 20 % standard. \pm 10 %, \pm 5 % available as special.

DC Leakage Current (DCL Max.): At $+ 25\,^{\circ}\text{C}$ and above: Leakage current shall not exceed the values listed in the Standard Ratings Tables.

FEATURES

- · Molded surface mountable design
- Terminations: standard tin/lead (SnPb), 100 % tin (RoHS compliant) available



Industry standard ratings

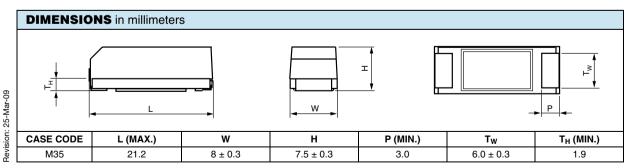
- Model M35 wet tantalum electrolytic chip capacitors incorporate the advantages of all the varieties of electrolytic capacitors and eliminate most of the disadvantages. These units have a 3 V reverse voltage capability at + 85 °C and a higher ripple current capability than any other electrolytic type with similar combinations of capacitance and case size.
- Compliant to RoHS directive 2002/95/EC

Life Test: Capacitors are capable of withstanding a 2000 h life test at a temperature of + 85 °C or + 125 °C at the applicable rated DC working voltage.

Following life test:

- 1. DCL, measured at + 85 °C rated voltage, shall not be in excess of the original requirement.
- The equivalent series resistance shall not exceed 150 % of the initial requirement.
- Change in capacitance shall not exceed 10 % from the initial measurement.

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^{*} Pb containing terminations are not RoHS compliant, exemptions may apply.

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