Capacitors - Max. Capacitance Range: 200 µF/6 V to 6.8 µF/125 V

Surface-Mount Wet Tantalum Capacitors

KEY BENEFITS

- Molded, surface-mount design
- Internal all-tantalum hermetic cell
- Tin/lead or 100 % tin (compliant to RoHS directive 2002/95/EC) terminations
- All industry standard axial leaded wet tantalum “T1” case size ratings
- Maximum capacitance range: 200 µF/6 V to 6.8 µF/125 V

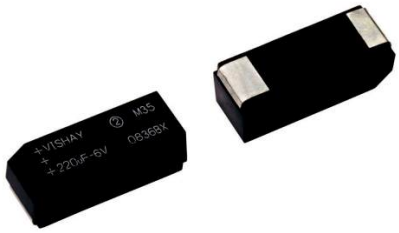
APPLICATIONS

- AMS (avionics, military, space) power supplies

RESOURCES

- Datasheet: http://www.vishay.com/doc?40095
- Wet tantalum capacitor product portfolio: http://www.vishay.com/capacitors/tantalum/tantalum-wet/
- Technical support: tantalum@vishay.com

Wet Tantalum Capacitors, Surface Mount, Molded Case



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

Pb-free Available

RoHS* COMPLIANT

PERFORMANCE CHARACTERISTICS

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

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

DC Leakage Current (DCL Max.): At + 25 °C and above: Leakage current shall not exceed the values listed in the Standard Ratings Tables.

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:

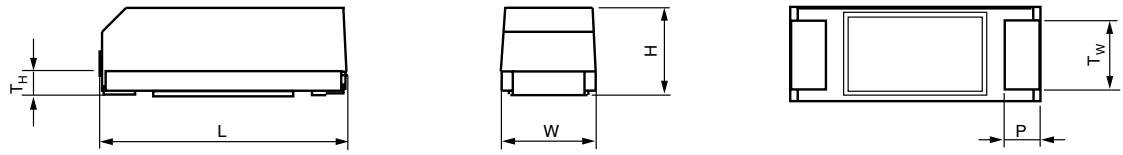
1. DCL, measured at + 85 °C rated voltage, shall not be in excess of the original requirement.
2. The equivalent series resistance shall not exceed 150 % of the initial requirement.
3. Change in capacitance shall not exceed 10 % from the initial measurement.

ORDERING INFORMATION

M35	C	826	M	125	B	Z	S	L
MODEL	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	TERMINATION AND PACKAGING	RELIABILITY LEVEL	TEMP	ESR
	See Ratings and Case Codes Table	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	K = ± 10 % M = ± 20 %	This is expressed in V. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 V).	A = 100 % tin (RoHS compliant), bulk B = Std, tin/lead, bulk	Z = Non-ER	S = Std.	**S = Std.** L = Low

Packaging: The use of formed plastic trays for packing bulk components is standard.

DIMENSIONS in millimeters



CASE CODE	L (MAX.)	W	H	P (MIN.)	T_W	T_H (MIN.)
M35	21.2	8 ± 0.3	7.5 ± 0.3	3.0	6.0 ± 0.3	1.9

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

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