TANTALUM CAPACITORS

T34 Series

Wet Tantalum High Performance HI-TMP® Capacitors for -55 °C to +200 °C Operation

KEY BENEFITS

- Longer life with a minimum of 1000 hours at +200 °C
- Improved shock and vibration: mechanical shock to 500 g, higher sine vibration to 80 g, and higher random vibration to 54 g

APPLICATIONS

- Oil exploration
  - Measurement while drilling (MWD)

RESOURCES

- Datasheet: T34 Series - www.vishay.com/doc?40228
- For technical questions contact tantalum@vishay.com
- Material categorization: for definitions please see www.vishay.com/doc?99912

Pb-free Available RoHS* Available HALOGEN FREE GREEN (5-2008) Available

A WORLD OF SOLUTIONS™

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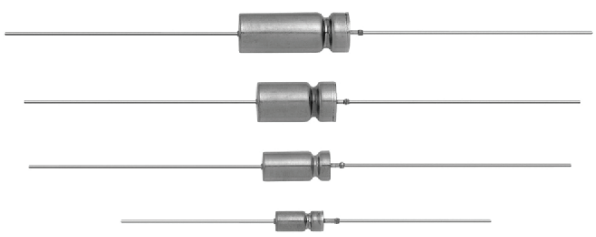

PERFORMANCE CHARACTERISTICS

Operating Temperature: -55 °C to +85 °C
(to +200 °C with voltage derating)

Capacitance Tolerance: at 120 Hz, +25 °C; ± 20 % standard; ± 10 %

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 life test at 200 °C at the applicable derated DC working voltage.

FEATURES

- High capacitance, high performance (shock and vibration)
- Hermetically sealed, tantalum case
- +200 °C high temperature
- Terminations: axial, standard tin / lead (SnPb)
- 100 % tin (RoHS-compliant) available
- Mounting: through-hole
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

Note

* This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

APPLICATIONS

- Industrial
- Petroleum exploration
- High temperature / high stress environment

ORDERING INFORMATION

T34	C	826	M	125	B	Z	6	S
MODEL	CASE CODE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	TERMINATION AND PACKAGING	RELIABILITY LEVEL	STYLE NUMBER	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 volts. To complete the three-digit block, zeros precede the voltage rating	A = 100 % tin (RoHS compliant), bulk B = std., tin / lead, bulk	Z = non-ER	High temperature 8 = no outer insulating sleeve 6 = high temperature film insulation (above +125 °C)	S = std.

Revision 19-Jun-17

Note

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