WET TANTALUM CAPACITORS

T18

Wet Tantalum Capacitors, Ultra High Capacitance, Glass Tantalum Hermetic Seal for -55 °C to +125 °C Operation



KEY BENEFITS

- Higher capacitance
- Greater reverse voltage capability: 1.5 V
- Extended thermal shock capability: 300 shocks
- Greater vibration capability: 80 g sine, 53.79 g random
- Temperature range of -55 °C to +85 °C, to +125 °C with voltage derating
- Low ESR down to 0.35 Ω at 120 Hz and +25 °C

APPLICATIONS

- Avionics
- Military
- Space

RESOURCES

- Datasheet: T18 www.vishay.com/ppg?40161
- For technical questions contact <u>tantalum@vishay.com</u>
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS*

FREE

(5-2008) Available



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PERFORMANCE CHARACTERISTICS

Refer to: Typical Performance Characteristics

Operating Temperature: -55 °C to +85 °C

(to +125 °C with voltage derating)

Capacitance Tolerance: ± 10 %, ± 20 % standard

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

FEATURES

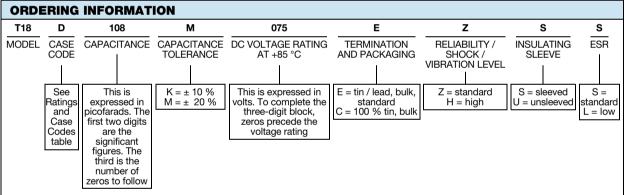
- Enhanced performance, high reliability design
- Terminations: axial, standard tin / lead (SnPb), 100 % tin available
- Model T18 tantalum-case electrolytic capacitors provide all the advantages of Vishay's SuperTan[®] series devices, while offering improved reverse voltage and vibration capability



- Increased thermal shock capability of 300 cycles
- · Designed for the avionics and aerospace applications
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

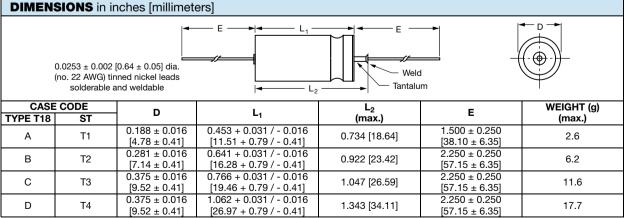
Note

* 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



Note

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



Note

For insulated parts, add 0.015" [0.38 mm] to the diameter. The insulation shall lap over the ends of the capacitor body

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