New T50 Series vPolyTan™ Polymer Tantalum Chip Capacitors Bring Reliable Performance to Harsh Operating Conditions; Offer High Temperature to +125 °C and Withstand THB Testing of 85 °C / 85 % RH for 500 Hours

Product Benefits:
- High temperature operation to +125 °C
- Withstand temperature humidity bias (THB) testing of 85 °C, 85 % relative humidity for 500 hours
- Offered in the D case (EIA 7343-30) size
- Ultra low ESR down to 25 mΩ
- Ripple current to 3.0 A
- Wide capacitance range from 10 µF to 330 µF
- Voltage ratings from 2.5 V to 35 V
- RoHS-compliant, halogen-free, and Vishay Green

Market Applications:
- Decoupling, smoothing, and filtering in 5G telecom equipment and industrial, military, aerospace, and edge computing applications

The News:

Vishay Intertechnology introduces a new series of vPolyTan™ surface-mount polymer tantalum molded chip capacitors designed to deliver reliable performance in high temperature, high humidity operating conditions.
- Feature a robust design with improved hermeticity for increased protection in harsh environments

The Key Specifications:
- Case code: D
- ESR: 25 mΩ to 120 mΩ
- Ripple current: 1.36 A to 3.0 A
- Capacitance: 10 µF to 330 µF
- Capacitance tolerance: ± 20 %
- Voltage ratings: 2.5 V to 35 V
Availability:
Samples and production quantities of the T50 series are available now, with lead times of 12 to 14 weeks.

To access the product datasheet on the Vishay Website, go to http://www.vishay.com/ppg?40254 (T50)

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