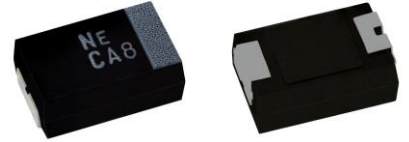




## New T50 Series vPolyTan™ Polymer Tantalum Chip Capacitors Bring Reliable Performance to Harsh Operating Conditions; Offer High Temperature to +125 °C and Withstand THB Testing of 85 °C / 85 % RH for 500 Hours

### 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



## NEW PRODUCT INFORMATION



**Product Group:** Vishay Polytech, Tantalum Capacitors / **November 2021**

### **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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