

597D Solid Tantalum Chip Capacitors, TANTAMOUNT™

Maximum CV for Volumetrically Challenged Designs in Advanced Conformal Coated Technology



ADVANTAGE

Highest capacitance in SMD MnO₂ provides the highest energy and reduces the number of capacitors required in designs.

KEY PRODUCT FEATURES

- ✓ Highest available capacitance up to 2200 μ F, voltage up to 75 V.
- ✓ Ultra-low ESR as low as 0.018 Ω .
- ✓ Ripple current up to 3.7 A.



RESOURCES



MARKETS AND APPLICATIONS



CONNECTIVITY

- 5G Infrastructure
- DC/DC converter
- Power management



INDUSTRIAL

- Railway power
- Test and measurement equipment
- Automation and control systems
- Laser systems



NETWORKING

- Bypass
- Point of load



AMS

- Radar Systems (AESA):
Laser systems
- Hybrid Microcircuits:
Defense missiles
- Cockpit electronics: In orbit space
- Communications: Ignition systems -
commercial avionics



MEDICAL

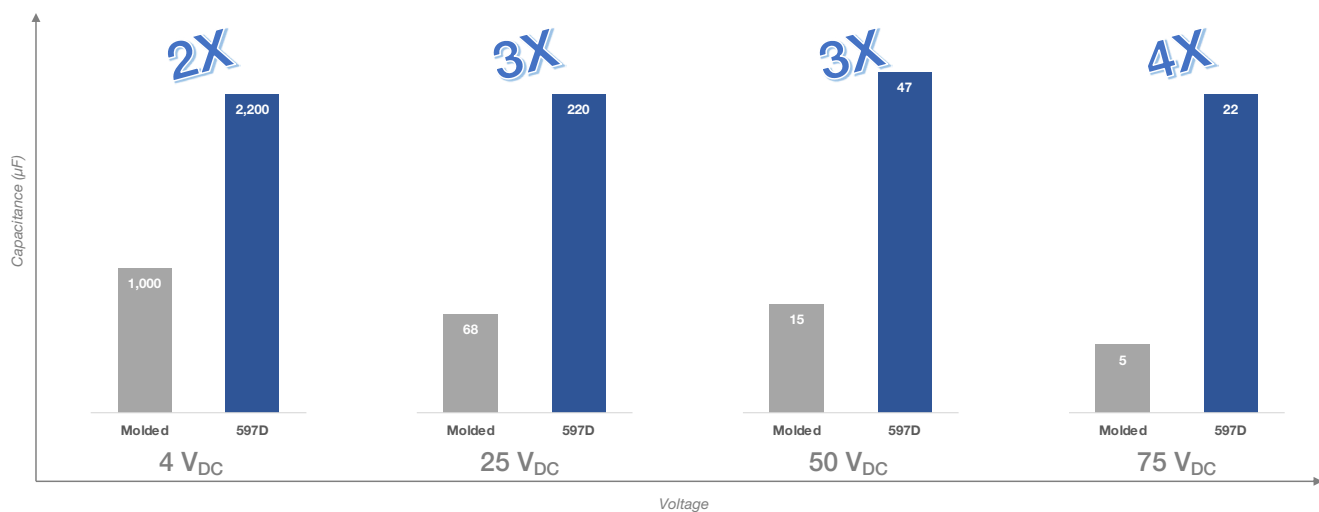
- Imaging equipment
- Monitor power supply
- Respirator



ADDITIONAL BENEFITS

- Multi-anode conformal coated advanced technology, highest capacitance available, extremely low ESR, ripple current up to 3.7 A, terminations available: 100% tin; tin / lead
- Low ESL as low as 0.63 nH
- HiREL COTS version available T97 series
- Specifications: Temperature -55 °C to 125 °C, capacitance range: 10 µF to 2200 µF, voltage range: 4 V to 75 V

Up to 4x the capacitance in molded



Comparison based on Vishay commercial products MAP 298D series, Molded 293D series, Conformal coated 595D series, Multianode conformal coated 597D series. Multiplier is a comparison of multianode conformal coated versus traditional molded.

The high capacitance series saves board space, reduces volume and requires fewer capacitors in systems. [Contact us](#) for additional support.