



The DNA of tech.®



High Energy Product Line Expands with EP2 Series Wet Tantalum Capacitors

Utilizing our SuperTan® technology, Vishay is launching new high energy density wet tantalum capacitors that are the largest such devices in the market at a given voltage rating and package size: i.e., 70 000 uF at 35 V in the D case. Initially offered three years ago, we're expanding the EP2 series with a variety of new ratings, and there are 12 configurations available to fit a myriad of applications, from standard radial leaded parts to surface-mountable versions, with and without studs. The devices are offered in A, B, C, and D case sizes.

Released Ratings	
B case	C case
17 mF – 50 V	58 mF – 35 V
12.6 mF – 60 V	33 mF – 50 V; 34 mF – 50 V; 37 mF – 50 V
9.4 mF – 63 V; 11 mF – 63 V	19 mF – 60 V
6 mF – 80 V	14 mF – 63 V; 18 mF – 63 V
4 mF – 110 V	9 mF – 80 V
2.7 mF – 125 V; 3 mF – 125 V	6 mF – 110 V

Applications

These devices are useful in any power supply in which a long hold-up time is needed or high pulse / ripple current filtering is necessary. Pulsed power applications such as LIDAR and radar are also applications of interest. They can be designed into capacitor banks both for high capacitance, energy needs and also voltages higher than 125 V, as seen in the industrial, avionics, military, and space markets.

Key Advantages

- Very high volumetric energy density, up to 2 J/cc
- Hermetically sealed tantalum package
- Wide voltage range: 25 V – 125 V
- Radial and surface-mountable
- ESR as low as 12 mΩ

Useful Links

- [Product Page](#)
- [Infographic](#)
- [FAQ](#)
- [Capabilities and Custom Options](#)



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