



*Advanced Capacitors
for Demanding
Applications*

For Power Interruption Back up and Avionics

Today's avionics and aircraft systems demand on board power interruption backup. Per MIL - STD 704 / DO -160, system designers must plan for riding through these interruptions, whether it be a few watts for a few milliseconds, or tens of watts for a second. This back up power must be always available and reliable for the life of the system. With a power source that takes up as little precious space and weight as possible. EVANSCAPS, Tantalum hybrid Capacitors from Evans Capacitor Company have over a decade of experience in powering these systems. EVANSCAPS save space, weight and power (SWAP) over other capacitor technologies.

Evans THQ, THS, and TDD style capacitors have been providing power back up in airborne systems for over a decade. Displays, communication modules, mission computers and other avionic "black boxes" all require the power back up, as well as filtering and power conditioning provided by EVANSCAPS.



EVANSCAPS provide 5 to 10 times the volumetric energy density of aluminum electrolytic capacitors, coupled with high current capability and unlimited cycle life. Tantalum encased and hermetic, EVANSCAPS give lifetime reliability to critical systems, with space and weight savings to achieve demanding design goals.

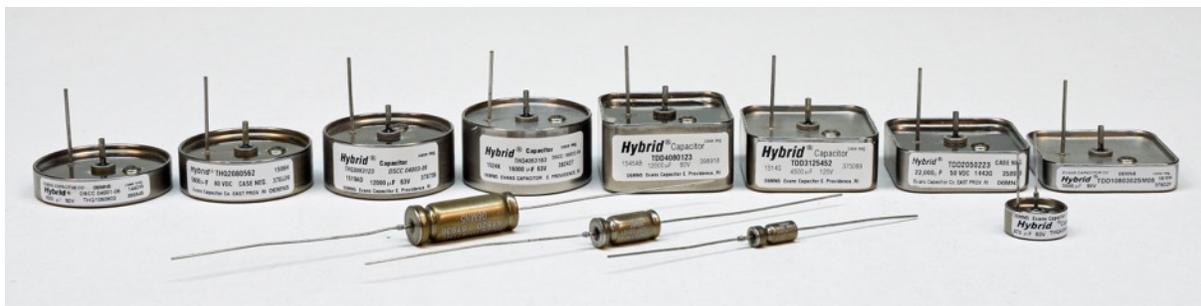


EVANSCAPS unique chemistry and construction provides the highest available energy density for power interruption back up for avionics or subsystems. The low ESR, high power density also provides high current pulse power for LASER drivers or phased array radars. EVANSCAPS are available in a very wide range of ratings in voltages from 10V to 125V. They are not cycle limited and can provide very high current discharge.

EVANSCAPS TDD Series - Get the **Highest Power** in the **Smallest Possible Space**

The TDD series encompasses a unique internal construction that greatly reduces ESR, providing greater efficiency, less heat generation, and are capable of very high peak discharge currents. The new TDD series capacitors provide the next generation of improved performance with high capacitance and very low ESR, supporting even larger currents with minimal voltage droop, yet with the bulk capacitance required to bridge demanding power interruption requirements.

Evans Capacitor provides a full range of TDD series Hermetic Tantalum Hybrid Capacitors that are specifically designed for high power pulse applications where energy density, efficiency, and component cooling are important considerations. The DLA (DSCC) has issued dwg #15010 for the TDD series Hybrid Capacitors.



Evans Capacitor manufactures high energy density capacitors for demanding defense and aerospace applications, including phased array radar, laser targeting and power hold up, where size, weight, and reliability are the major considerations. Evans' production facility in East Providence, RI, follows stringent guidelines for quality and performance and is ISO 9001:2008 and AS9100 certified. Hybrid Capacitors are commodity dual use EAR-99 for export purposes. Evans is ITAR registered

For more information please see:

<http://www.evanscap.com/hybrid.htm>

http://www.evanscap.com/TDD_product_page.html

For questions or to request a quote...Email us at:
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