

Quantic™ Evans

The most power-dense hybrid wet tantalum capacitors in the industry for mission-critical applications

- ⚡ SWaP-optimized; the most power-dense capacitors in the industry
- ⚡ Rugged hermetically sealed design meets Mil/Aero requirements
- ⚡ Ultra-low ESR “enables” high-current applications
- ⚡ Space grade – routinely qualified to NASA-INST-002; ESA approved
- ⚡ Long service and shelf life
- ⚡ Certified AS9100/ISO9001 manufacturer
- ⚡ DLA 15010,04001, 04003, 04004, 04005, 09022, 10004, 93026
- ⚡ Lead time 8-16 weeks
- ⚡ Made in USA



⚡ **Power Hold Up / MIL-STD-704/DP-160**

⚡ **Transmit Pulse in Radar (T/R Modules)**

⚡ **Space**

- Electric Propulsion
- Laser, Radar, LIDAR
- Satellite Dispensing
- Manned flight

⚡ **Directed Energy**

- Petawatt Lasers for Fusion Energy
- High Power Pulse Microwave (HPM)
- High Power Solid State Pulsed Laser
- Laser Targeting, Range-finding & Weapons Systems
- LIDAR

⚡ **Oil & Gas exploration**

- 200°C and Ultra High Shock & Vibration

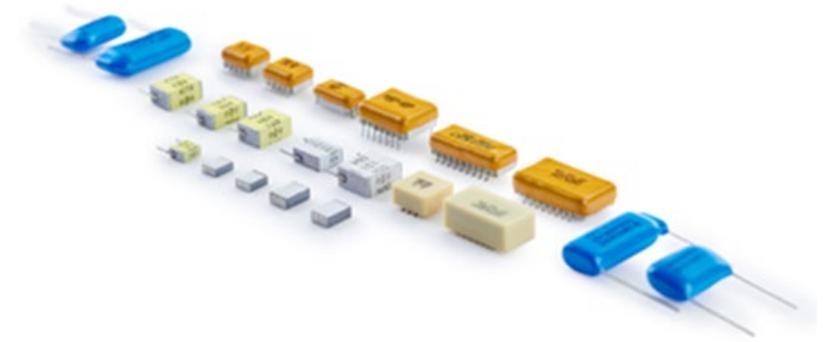
⚡ **VPX Systems**



Quantic™ Paktron

Multilayer polymer film capacitors with an innovative, stacked construction for hi-reliability applications

- ⚡ Advantages over conventional wound film capacitors
 - higher frequency operation
 - lower ESR and ESL
 - high dV/dT
 - higher capacitance density
- ⚡ Self -Encased Design
 - lightweight, <25% of equivalent MLCC
- ⚡ Self Healing
- ⚡ Wide Operating Temperature range
 - -55°C to +125°C
- ⚡ 1000VDC/1200VDC
- ⚡ Ultra-High ripple current ratings
- ⚡ Tested to MIL-STD-202
- ⚡ Thru-hole and SMD options
- ⚡ Lead Times 8-10 weeks
- ⚡ Made in USA



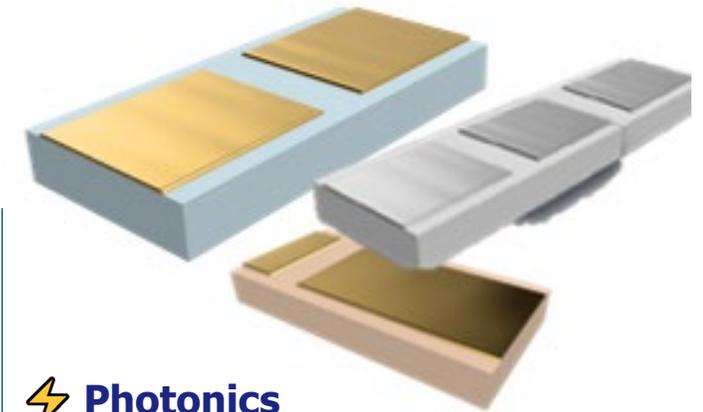
- ⚡ **Wide bandgap semiconductor**
- ⚡ **Power supply electronics**
- ⚡ **Hi-Rel aerospace and defense**
- ⚡ **Renewable energy systems**
- ⚡ **VPX**
- ⚡ **EV power trains**
- ⚡ **Industrial motor drives**
- ⚡ **High frequency switching circuits**
- ⚡ **pulsed power**
- ⚡ **medical imaging**
- ⚡ **Snubber circuits**
- ⚡ **DC link**



Quantic™ Eulex

High frequency gap capacitor with novel internal design eliminates need for wire bond; overcomes limitations of SLC

- ⚡ High frequency ceramic capacitors
- ⚡ Up to 20x more capacitance with same dielectric, case size and voltage
- ⚡ Fewer dielectrics provide simpler part selection
- ⚡ High series resonance
- ⚡ Low series inductance
- ⚡ SMD eliminates need for wire bond offering high performance and cost savings
- ⚡ 3 pad configuration (middle pad goes to ground)
- ⚡ Ultra-high Q
- ⚡ Broadband performs to 67GHz
- ⚡ Made in USA



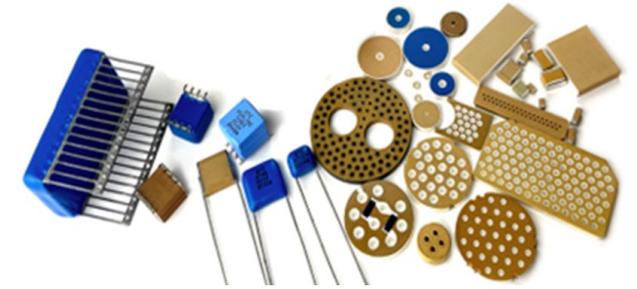
- ⚡ **Photonics**
- ⚡ **Synchronous Optical Networking (SONET)**
- ⚡ **Receive and Transmit Optical Sub-Assemblies (ROSA/TOSA)**
- ⚡ **Transimpedance amplifiers**
- ⚡ **High-Speed Data**
- ⚡ **Test equipment,**
- ⚡ **Broadband Microwave / mm-wave**
- ⚡ **Excellent solution for strip-line or coplanar wave guide applications**



Quantic™ UTC

High performing multilayer ceramic chip capacitors

- ⚡ Product offerings include MLCC, MegaCap (BC Series), Discoidal and Planar Arrays, Pulse Energy to 250° (Missile Detonation Caps), Military, Safety Caps, Radial Leaded and SMPS capacitors
- ⚡ Approved facility to Mil-Std 790 and approved to produce MIL-PRF 49470 parts to standard (B) level and (T) space level as well as many DLA DSCC drawings
- ⚡ Testing Lab
- ⚡ Recent expansion to 30,000 sq. ft. manufacturing space
- ⚡ Brand new 2,500 sq. ft. clean room ISO Class 7 (10,000ppm)
- ⚡ Brand new state-of-the-art equipment for buildup and routing
- ⚡ Made in the USA



- ⚡ **Consumer Electronics**
- ⚡ **Telecommunications**
- ⚡ **EMI Filtering**
- ⚡ **Power Supplies**
- ⚡ **Power Converters**
- ⚡ **Industrial Smoothing & Decoupling**
- ⚡ **Resonant Charging Systems**
- ⚡ **DC to DC converters**
- ⚡ **High Voltage Coupling / DC Blocking**
- ⚡ **Snubbers in High Frequency**

