

# Hi Reliability Capacitors for Missile Defense Systems



## Our Proud Legacy

- PAC-2
- GEM-T (PAC-3)
- Tomahawk
- Several other missile platforms across classified and confidential programs



## Evans GROUP EVANS

Hybrid wet tantalum capacitors ideal for integration into missile systems

### Features

- **High Power Density**  
Most power-dense in the industry, providing significant SWaP (Size, Weight, and Power) savings
- **Rugged and Reliable Design**  
Hermetically sealed design withstands high shock, vibration, and altitude
- **Voltages** Range from 10V–125V (higher voltage options available in our capacitor banks)
- **Temperature** Range from -55°C to 200°C
- **Space Grade** Routinely screened and qualified to NASA EEE-INST-002

### Applications

- Power hold-up MIL-STD-704
- High-power pulse
- Power supplies
- Radar (airborne/space/land-based)



## Evans GROUP PAKTRON

Multilayer polymer (MLP) film capacitors for power supply and pulsed power applications

### Features

- **Ultra-high Reliability** for cannot fail applications
- **Self-healing** with long life and storage stability
- Low ESR, low inductance, fast response and high ripple current handling
- **Voltages Range** from 50V–1200V
- **Temperature Range** from -55°C to 125°C

### Applications

- Power supply filtering, ripple and noise suppression for smart munitions power supplies
- Pulsed power applications for detonation, electronic detonator circuits



## Evans GROUP UTC

High-reliability pulse energy capacitors designed for detonation and firing modules

### Features

- **High Temperature** up to 250°C (300°C currently in testing)
- Up to 10KV range for single and multi-pulse firing applications
- Bleed resistor for added safety
- Testing to MIL-PRF-49467 available
- Custom sizes, capacitance, and voltage ranges

### Applications

- Missile systems
  - ESADs, ESAFs, and ISDs
- Detonation and initiator modules