

ECI Announces a Patented Fuseac® Technology

Fuseac®, a revolutionary capacitor technology that delivers unparalleled security against failure in catastrophic conditions, is unveiled simultaneously in the United States and Ireland by Electronic Concepts, Inc.

On the heels of its two-year R&D project to deliver a heightened level of safety and security for power management systems, Electronic Concepts, Inc. today announced a new and revolutionary capacitor technology designed to provide certainty against overheating of metallized dry film capacitors.

The technology, dubbed Fuseac®, provides a new level of control to potential overheating, especially in AC application, in situations that may cause catastrophic failure, by having its patented fuse technology intuitively disconnect upon detecting the hazardous condition.

From inception, the Fuseac® technology was created to provide designers of power management systems, utilizing metallized dry film capacitors, with a superior protection mechanism that detects capacitor hot spots and electrically disconnects upon reaching a defined critical value. Metallized film capacitors, mainly due to self healing of inherent defects, are reliable and long lasting over the life of the product. However excessive self healings can create an overheating run-away condition, especially in uncontrolled, unmonitored circuits, and fail catastrophically. Fuseac® provides added insurance against this type of disastrous failure.

Fuseac® is a patented technology and on request can be incorporated in a host of Electronic Concepts products, especially into designs needing added overheating protection.