



**MML™**  
MINIATURE MICRO-LAYER™

AVIATION

SPACE

DEFENSE

INDUSTRIAL

# HIGHEST ENERGY DENSITY

IN FILM CAPACITORS AVAILABLE ON THE MARKET

- **MML™** is a revolutionary new technology that allows for a dramatic reduction in size compared to traditional film capacitors.
- Rather than being wound in a cylindrical configuration, **MML™** is constructed from stacked layers of polymer film—similar to that of MLCCs.
- Applications using clusters of stacked MLCC's can now be replaced by a single **MML™** unit of similar size, with all of the increased reliability that film dielectric offers.

## ADVANTAGES

### > FILM

- Considerable size reduction (up to 60%)
- Flexibility in configuration and packaging (low profile)
- Increased operating temperature up to 140°C and transient voltage protection
- Superior self-healing capability
- Comparable electrical characteristics

### > STACKED MLCC'S

- Considerable weight reduction
- Comparable size higher capacitance MLCC assemblies
- No voltage derating up to 125°C
- No capacitance derating with voltage applied
- Low drift in capacitance through temperature range ( $\pm 5\%$  Max)
- Not prone to cracking due to thermomechanical stress
- Self-healing capability
- Open circuit failure mode



### > APPLICATIONS

DC Links, Pulse, Power Filtration  
and Conversion, & More

### CONTACT US

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