KEMET 125°C Low ESR Aluminum Organic Capacitors - AO-CAP

KEMET enters the world of aluminum capacitors with the introduction of the AO-CAP, designated the A700 Series, which has been targeted for power management applications. With aluminum as the anode material, aluminum oxide as the dielectric, and a conductive polymer to replace the wet electrolytic historically used in aluminum capacitors, KEMET has advanced beyond existing aluminum organic capacitors. The KEMET AO-CAP Series AO-CAP is also an ideal alternative to high-capacitance ceramics. Its outstanding high frequency performance helps reduce component counts, cost-effectively saving board space.

The KEMET AO-CAP is totally free of lead with excellent surge current performance and long-term reliability. There is no recommended de-rating of application voltage to reduce failure rate. The operating temperature is -55°C to +125°C.

Features:
- Extremely low ESR
- High capacitance retention for superior performance at high operating frequencies
- Non-ignition Failure Mode
- No "dry-out" of "watered" related failure mechanism
- No voltage derating up to +125°C
- True Surface-mount capability
- Overall lower placement costs
- Pb Free
- Self-heating mechanism
- MSL3 Packaging

KEMET enters the world of aluminum capacitors with the introduction of the AO-CAP, designated the A700 Series, which has been targeted for power management applications. With aluminum as the anode material, aluminum oxide as the dielectric, and a conductive polymer to replace the wet electrolytic historically used in aluminum capacitors, KEMET has advanced beyond existing aluminum organic capacitors. The KEMET AO-CAP Series AO-CAP is also an ideal alternative to high-capacitance ceramics. Its outstanding high frequency performance helps reduce component counts, cost-effectively saving board space.

The KEMET AO-CAP is totally free of lead with excellent surge current performance and long-term reliability. There is no recommended de-rating of application voltage to reduce failure rate. The operating temperature is -55°C to +125°C.

Features:
- Extremely low ESR
- High capacitance retention for superior performance at high operating frequencies
- Non-ignition Failure Mode
- No "dry-out" of "watered" related failure mechanism
- No voltage derating up to +125°C
- True Surface-mount capability
- Overall lower placement costs
- Pb Free
- Self-heating mechanism
- MSL3 Packaging