



Aluminum Polymer Capacitors

AO-CAP A700 Series



Why Choose KEMET

KEMET applies world-class service and quality to deliver industry-leading, high performance capacitance solutions worldwide. With 95% of possible dielectric solutions, KEMET offers the world's most complete line of surface mount and through-hole capacitor technologies across tantalum, ceramic, film, aluminum and paper dielectrics. One world. One KEMET.

Features & Benefits

- Low ESR
- Non-ignition failure mode
- Surface mountable
- Solid counter-electrode (no dry out)
- Little capacitance loss at high frequencies
- No voltage derating
- 125°C capability
- Low DC leakage

Product Checklist

- Is your circuit switching frequency greater than 200 kHz?
- What is the circuit operating voltage?
- Are there any voltage spikes expected?
- Are there any environmental concerns such as temperature, moisture or vibration?
- Are there any physical space restrictions?

For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.

Programs Supported

- Computer
- Consumer/Gaming
- Industrial/Lighting
- Medical
- Military/Aerospace
- Power Suppliers
- Telecom
- Transportation



Electrical/Physical Characteristics

Cap	2V				2.5V				4V				6.3V				8V				10V				12.5V				16V							
	D	X	V	W	D	X	V		D	X	V		D	X	V		D	X	V		D	X	V		D	X	V		D	X	V					
106															55																40					45
126																																25				
156																												40	25			40				
226															28				28				28					30	25							
336															18				18				18	25												
476															18								28	25												
566															18	15							15													
686											20				18	15							15													
826								18			18				18																					
107															15	15			10				10					15								
127															12								10													
157															10	10							10													
187	15														15	10																				
227	9														9	10																				
277															10																					
337	7	10	6																																	
397																																				
477																																				
567																																				
687																																				

ESR (mOhms)	ESR (mOhms)
Present Capability	Under Development