



Aluminum Electrolytic Capacitors

ALA7D & ALA8D Automotive Grade Snap-In



Why Choose KEMET

KEMET Electronics Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry, along with an expanding range of electromechanical devices, electromagnetic compatibility solutions and supercapacitors. Our vision is to be the preferred supplier of electronic component solutions for customers demanding the highest standards of quality, delivery and service.

Features & Benefits

- Withstands vibration up to 20G
- AEC-Q200
- Long life
- High ripple current
- High voltage
- Excellent surge voltage capability
- PET sleeve recognized to UL QMTR2, UL No. E358957

Product Checklist

- Does the application need to withstand strong vibration?
- Is AEC-Q200 needed?
- What are the operational conditions of your application? Do you have a specification available?
 - What is the applied voltage VDC?
 - What is the operational temperature?
 - What is the applied ripple current spectrum?
 - What life expectancy is required?
 - What are the end-of-life criteria?
- What are the application size constraints?
- Does the application require UL recognized sleeving?

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

Applications

These capacitors are designed for automotive applications in accordance with the demanding requirements of the Automotive Electronics Council's AEC-Q200 qualification.

- On-board chargers
- Inverters
- Wall boxes



Electrical/Physical Characteristics

Series	Capacitance	Tolerance	Voltage	Temperature	Life (Max. Dia.)
ALA7D	240 μ F to 820 μ F	\pm 20%	400 VDC to 500 VDC	-40°C to +85°C	15,000 hours at 85°C (Voltage and Ripple applied)
ALA8D	200 μ F to 620 μ F			-40°C to +105°C	8,000 hours at 105°C (Voltage and Ripple applied)

Ordering Information

Series	Termination	Capacitance Code (μ F)	Size Code	Rated Voltage (VDC)
ALA7D/ALA8D	A	361	CE	450
Snap-in Aluminum Electrolytic	See Termination Table	First two digits represent significant figures. Third digit	See Dimension Table	400 = 400 450 = 450 500 = 500

Dimensions

Size Code	Dimensions in mm		Approximate Weight Grams
	D	L	
	-0/+1	\pm 2	
BB	25	30	28
BC	25	35	30
BD	25	40	35
CB	30	30	40
CC	30	35	45
CD	30	40	50
CE	30	45	55
CF	30	50	60
DB	35	30	50
DC	35	35	60
DD	35	40	65
DE	35	45	75
DF	35	50	80

Terminations		
Termination Code	Termination Style	LL \pm 1
Standard Termination Option		
A	2 Pin	6.3
Other Termination Options		
D	2 Pin	4
F	3 Pin	4
C	4 Pin	6.3
E	4 Pin	4
Dimensions in mm		

Note: Dimensions include sleeving.