

## Automotive Snap-In Capacitors

### Overview

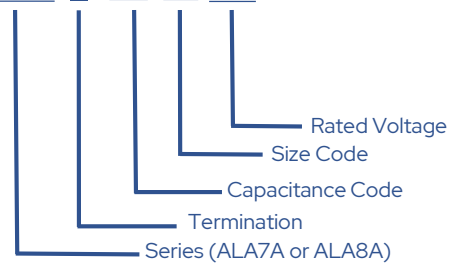
The KEMET ALA7A and ALA8A snap-in capacitors are designed for automotive applications. They can withstand vibration up to 10 g in accordance with the demanding requirements of the Automotive Electronics Council's AEC-Q200 qualification.

### Features

- Vibration proof 10g
- Operational life
  - ALA7A: 5,000 hours at 85°C
  - ALA8A: 2,000 hours at 105°C
- AEC-Q200
- High Ripple Current
- High Voltage
- Excellent surge voltage capability

### Part Number System

ALA7A A 391 DC 450



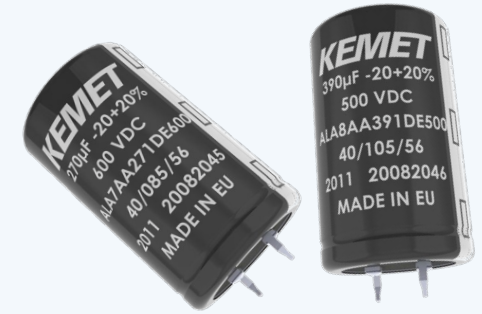
### Electrical Characteristics

#### ALA7A

Capacitance: 82 – 820  $\mu$ F  
 Voltage Rating: 400 – 600 VDC  
 Operating Temperature: -40 to 85 °C

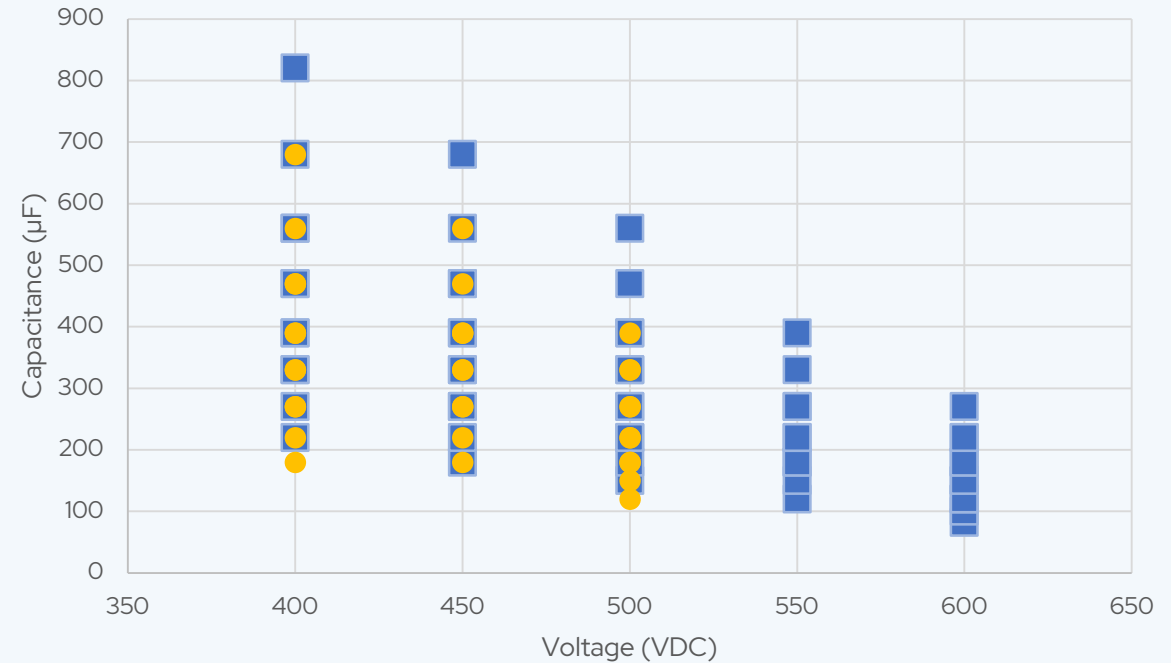
#### ALA8A

Capacitance: 120 – 680  $\mu$ F  
 Voltage Rating: 400 – 500 VDC  
 Operating Temperature: -40 to 105 °C



### Voltage and Capacitance Offerings

- ALA7A
- ALA8A



### Applications

- E-Mobility
- On-Board Chargers
- Inverters
- Wall Boxes