



# Snap-In Aluminum Electrolytic Capacitors



## Why Choose KEMET

KEMET 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

- Long life, high performance specifications for the most demanding applications
- Slit foil design technology produced specifically for audio applications (ALC10S and ALN20S only)
- High vibration capabilities up to 20 g (PEH526 only)
- Low ESR 400 V electrolyte available, reducing ESR by up to 30% and resulting in long life due to lower heat generation (ALC10 and ALC40 only)
- Wide range of terminals available
- Standard, optimized and custom designs
- Large can and high voltage designs
- Comprehensive technical design and support

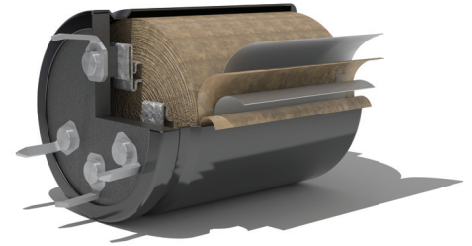
## Product Checklist

- 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?
- Does the application have size constraints? If so, what are they?
- Does the application require UL recognized sleeving?

For more information, samples and engineering kits, please visit us at [www.kemet.com](http://www.kemet.com) or call 1.877.myKEMET.

## Programs Supported

- Solar power, wind power and other alternative energy generation
- Automotive
- Variable speed drives
- High reliability and long-life applications
- Uninterruptible power supplies
- Switch mode power supplies
- Energy storage or pulse operation for telecommunication power supplies
- Frequency inverters
- Laser power supplies
- AC motor control



## Electrical/Physical Characteristics

Series	Case Size (mm)		Tolerances	Temperature Range (°C)	Voltage Options (VDC)	Capacitance Values (µF)
	D	L				
ALC10 +85°C	25 – 50	30 – 105	±20%	-40 to +85	40 – 550	56 – 82,000
ALC10S +85°C	35 – 40	50 – 90	±20%	-40 to +85	50 – 100	10,000
ALC40 +105°C	25 – 50	30 – 105	±20%	-40 to +105	25 – 500	47 – 120,000
PEH506 +85°C	22 – 35	25 – 55	±20%	-40 to +85	35 – 450	68 – 27,000
PEH526 +125°C	22 – 30	25 – 35	±20%	-40 to +125	25 – 80	820 – 6,800
PEH532 +105°C	22 – 35	25 – 55	±20%	-40 to +105	35 – 450	68 – 27,000
PEH532 +105°C	22 – 40	30 – 100	±20%	-40 to +105	35 – 450	150 – 22,000
PEH536 +105°C	22 – 40	30 – 100	±20%	-40 to +105	35 – 450	47 – 18,000
ALP20 and ALT20/21 +85°C	25 – 40	45 – 105	±20%, -10/+30%	-40 to +85	40 – 450	22 – 150,000
ALP22 and ALT22/23 +85°C	25 – 40	45 – 105	±20%	-40 to +85	40 – 450	22 – 150,000
ALN20S +85°C	40	55 – 105	±20%, -10/+30%	-40 to +85	50 and 100	10,000
ELH +85°C	22 – 35	20 – 60	±20%	-40 to +85	6.3 – 450	47 – 120,000
ELG +105°C	22 – 35	20 – 60	±20%	-40 to +105	6.3 – 450	47 – 82,000



# Snap-In Aluminum Electrolytic Capacitors



## KEMET Products

### 85°C Electrolytic Capacitors

**ALC10**  
56 – 82,000  $\mu$ F  
40 – 550 VDC  
 $\pm$ 20% tolerance  
High ripple current  
Excellent surge capability  
Made in Portugal

Reduced Size

**PEH506**  
68 – 27,000  $\mu$ F  
35 – 450 VDC  
 $\pm$ 20% tolerance  
High ripple current  
Low ESR construction  
Made in China

**ALC10S**  
10,000  $\mu$ F  
50 – 100 VDC  
 $\pm$ 20% tolerance  
Slit foil technology  
Made in Portugal

**ALN20S**  
10,000  $\mu$ F  
50 – 100 VDC  
 $\pm$ 20%, (-10/+30%) tolerance  
Slit foil technology  
T-Network Capacitor  
Made in Portugal

### 85°C Audio

Increased Temperature

**ALC40**  
47 – 120,000  $\mu$ F  
25 – 500 VDC  
 $\pm$ 20% tolerance  
High ripple current  
Excellent surge capability  
Made in Portugal

Reduced Size

**PEH532**  
68 – 27,000  $\mu$ F  
35 – 450 VDC  
 $\pm$ 20% tolerance  
High ripple current  
Low ESR construction  
Made in China

Increased Life

**PEH534**  
150 – 22,000  $\mu$ F  
35 – 450 VDC  
 $\pm$ 20% tolerance  
High ripple current  
Low ESR construction  
Made in China

Increased Life

**PEH536**  
47 – 18,000  $\mu$ F  
35 – 450 VDC  
 $\pm$ 20% tolerance  
Low ESR construction  
High ripple current  
Made in China

### 105°C Electrolytic Capacitors

Increased Temperature

**PEH526**  
820 – 6,800  $\mu$ F  
25 – 80 VDC  
 $\pm$ 20% tolerance  
High ripple current  
High vibration resistant  
Made in China

### 125°C Electrolytic Capacitors

### 85°C Solder Pin/Tab Terminations (For Maintenance/replacement purposes)

**ALP/T 20/21**  
22 – 150,000  $\mu$ F  
40 – 450 VDC  
 $\pm$ 20%, (-10/+30%) tolerance  
High ripple current  
Low ESR construction  
Made in Portugal

**ALP/T 22/23**  
22 – 150,000  $\mu$ F  
40 – 450 VDC  
 $\pm$ 20% tolerance  
High ripple current  
Low ESR construction  
Made in Portugal

### General Purpose Capacitors

#### 85°C

**ELH**  
47 – 120,000  $\mu$ F  
6.3 – 450 VDC  
 $\pm$ 20% tolerance  
Made in China

#### 105°C

**ELG**  
47 – 82,000  $\mu$ F  
6.3 – 450 VDC  
 $\pm$ 20% tolerance  
Made in China