



Screw Terminal 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
- High vibration capabilities up to 20 g (ALS32/33 and ALS42/43 only)
- Low inductance option available, reducing inherent inductance by as much as 40% (ALS30/31, ALS32/33 and ALS36/37 only)
- Low ESR 400 V electrolyte available, reducing ESR by up to 30% and resulting in long life due to lower heat generation (ALS30/31 and ALS40/41 only)
- Wide range of terminals available
- Standard, optimized and custom designs
- Large can and high voltage designs
- Comprehensive technical design and support

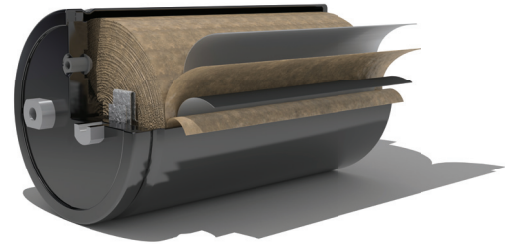
Product Checklist

- 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 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				
ALS30/31 +85°C	36 – 90	52 – 220	±20%	-40 to +85	25 – 500	100 – 680,000
ALS32/33 +85°C	36 – 90	55 – 220	±20%	-40 to +85	350 – 500	220 – 18,000
ALS36/37 +85°C	1.375 – 3 (inches)	2.125 – 8.625 (inches)	-10/+30%	-40 to +85	25 – 500	150 – 470,000
ALS40/41 +105°C	36 – 90	52 – 220	±20%	-40 to +105	25 – 500	150 – 680,000
ALS42/43 +105°C	51 – 90	80 – 220	±20%	-40 to +105	350 – 450	1,000 – 15,000
ALS60/61 +85°C	51 – 90	82 – 146	±20%	-40 to +85	550	560 – 3,300
PEH169 +85°C	35 – 90	51 – 220	±20%, -10/+30%	-40 to +85	10 – 450	68 – 470,000
PEH169 +105°C	35 – 90	51 – 220	-10/+30%	-40 to +105	10 – 350	100 – 330,000
PEH200 +85°C	35 – 90	51 – 220	±20%	-40 to +85	25 – 500	100 – 330,000
PEH205 +125°C	35 – 75	51 – 145	-10/+30%	-55 to +125	16 – 100	1,500 – 390,000

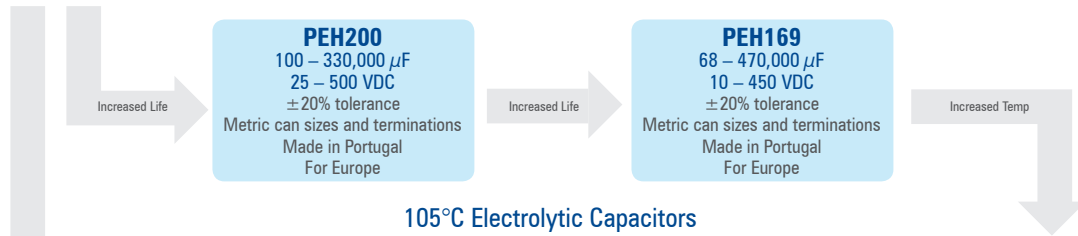
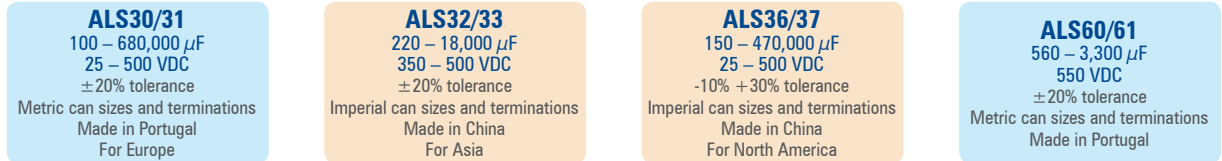


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Electronic Components
KEMET
CHARGED®

KEMET Products

85°C Electrolytic Capacitors



105°C Electrolytic Capacitors



125°C Electrolytic Capacitors

