

# Aluminum Electrolytic Hybrid Axial & Radial Crown Capacitors

## Overview

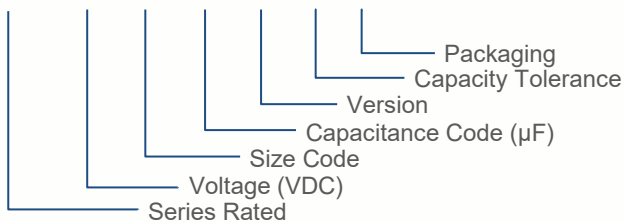
KEMET's **PHA227** and **PHH227** are High CV conductive polymer hybrid capacitors with outstanding electrical performance. The device has a polarized all-welded design, tinned copper wire leads, and a negative pole connected to the case. The winding is housed in a cylindrical aluminum can with a high purity aluminum lid and high-quality rubber gasket. Low ESR is conditioned by a highly conductive polymer (PEDOT/PSS) and an all-welded design. The polymer system creates an electrical pathway between the anodic oxide layer and the cathode through a mechanical separator - paper. The winding is impregnated with liquid electrolyte that results self-healing features of the capacitor.

## Benefits

- High temperature capability up to 140°C
- Up to 31 Arms, continuous load at case 105°C
- 8,000 hours at +125°C
- High vibration resistance up to 20 g 22 h/axis

## Part Number System

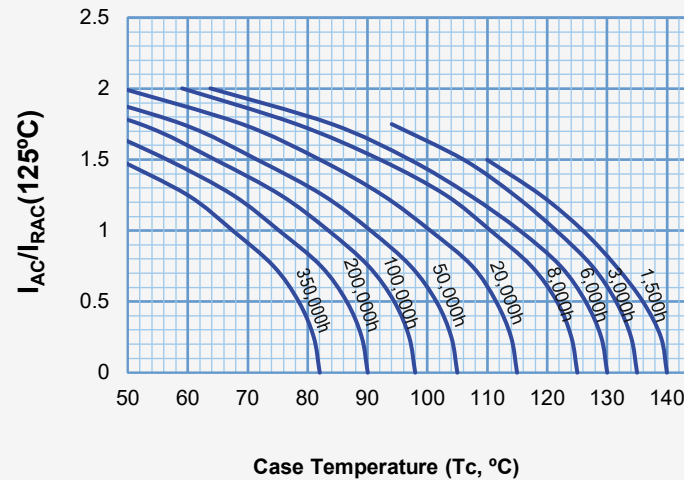
PHA227 M LP 411 0 M E4



## Electrical Characteristics

CV Options: 540µF/63V/16x27mm . 780µF/63V/16x35mm  
800µF/63V/18x27mm . 1,100µF/63V/18x35mm  
Operating Temperature: -40 to +125°C  
Ripple Current: up to 31A<sub>rms</sub>/100kHz/105°C

## Operational Life Diagram



**PHA227**  
Axial Crown



**PHH227**  
Radial Crown

## Applications

- Automotive
- Industrial
- Data Centers
- Application: Filtering
- Application: Power Conversion

[Hybrid Axial and Radial Crown Resources](#)