

Overview

KEMET's **A787** surface mount capacitor offers excellent electrical performance with low ESR, using a conductive polymer (PEDOT/PSS). Housed in a robust cylindrical aluminum can, it features self-healing due to a liquid electrolyte. Ideal for mobile and automotive uses, it operates up to +125°C.

- Surface mount form factor
- High ripple current up to 2.8 A<sub>rms</sub> @ 125°C/4,000hrs
- High capacitance up to 560 µF
- High temperature; 125°C up to 4,000 hours
- Low leakage current
- High vibration resistance up to 30g
- Self-healing behaviors
- AEC-Q200 compliance
- RoHS compliant
- Halogen-Free

[KEM\\_A4131\\_A787.pdf \(kemet.com\)](#)

Features

- Capacitance: 68 – 560 µF
- Voltage Rating: 25 – 35 VDC
- Operating Temperature: -55°C to 125°C
- Operational Life: Up to 4,000 hours @ 125°C /I<sub>RAC</sub>/U<sub>R</sub>

Surface Mount Hybrid Polymer

AEC-Q200 Qualified



Standard      Anti-Vibration

| Rated Voltage | Surge Voltage | Rated Capacitance   | ESR                  | Dissipation Factor | Ripple Current <sup>1</sup> | Leakage Current | Case Size                  | KEMET Part Number  |                        | Case Size                    |
|---------------|---------------|---------------------|----------------------|--------------------|-----------------------------|-----------------|----------------------------|--------------------|------------------------|------------------------------|
| (VDC)         | (VDC)         | 120 Hz<br>20°C (µF) | 100 kHz<br>20°C (mΩ) | 120 Hz 20°C        | 100 kHz<br>125°C (mA)       | 20°C 2 min (µA) | D x L (mm)<br>Std. Version | Standard Version   | Anti-Vibration Version | D x L (mm)<br>Anti-Vibration |
| 25            | 28.75         | 100                 | 50                   | 14                 | 1,300                       | 25.0            | 6.3x6.2                    | A787EC107M1ELAS050 |                        |                              |
| 25            | 28.75         | 330                 | 27                   | 14                 | 2,000                       | 82.5            | 8x9.7                      | A787KN337M1ELAS027 | A787KN337M1ELAV027     | 8x9.9                        |
| 25            | 28.75         | 560                 | 20                   | 14                 | 2,800                       | 140.0           | 10x10.2                    | A787MN567M1ELAS020 | A787MN567M1ELAS020     | 10x10.4                      |
| 35            | 40.25         | 68                  | 60                   | 12                 | 1,200                       | 23.8            | 6.3x6.2                    | A787EC686M1VLAS060 |                        |                              |
| 35            | 40.25         | 220                 | 27                   | 12                 | 2,000                       | 77.0            | 8x9.7                      | A787KN227M1VLAS027 | A787KN227M1VLAV027     | 8x9.9                        |
| 35            | 40.25         | 390                 | 20                   | 12                 | 2,800                       | 136.5           | 10x10.2                    | A787MN397M1VLAS020 | A787MN397M1VLAV020     | 10x10.4                      |

Applications

Industry

- Automotive
- Computing
- Consumer
- Industrial
- Telecommunications

Application

- Filtering
- Power Conversion
- DC-Link

Part Number System

A 787 EC 107 M 1E LA S 050

