

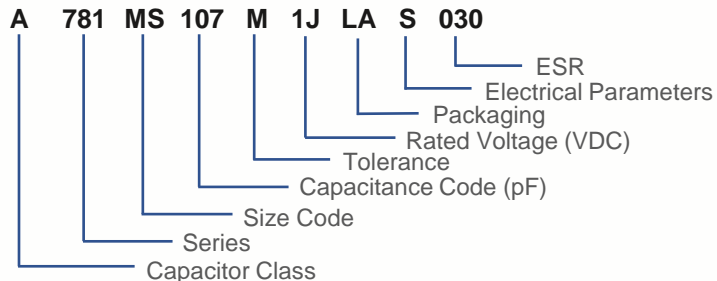
Overview

KEMET's **A781** is a surface mount conductive polymer hybrid capacitor with outstanding electrical performance. The A781 winding is housed in a cylindrical aluminum can with a high-quality rubber deck. Low ESR is conditioned by a highly conductive polymer (PEDOT/PSS). The polymer system creates an electrical pathway between the anodic oxide layer and the cathode through a mechanical separator - paper. The A781 winding is impregnated with liquid electrolyte that translates to the self-healing features of the capacitor.

Benefits

- Surface mount form factor
- High ripple current up to 2.9 A_{rms} @ 135°C
- High temperature: 135°C/2,000 hours
- Low leakage current
- High vibration resistance up to 30g

Part Number System



Electrical Characteristics

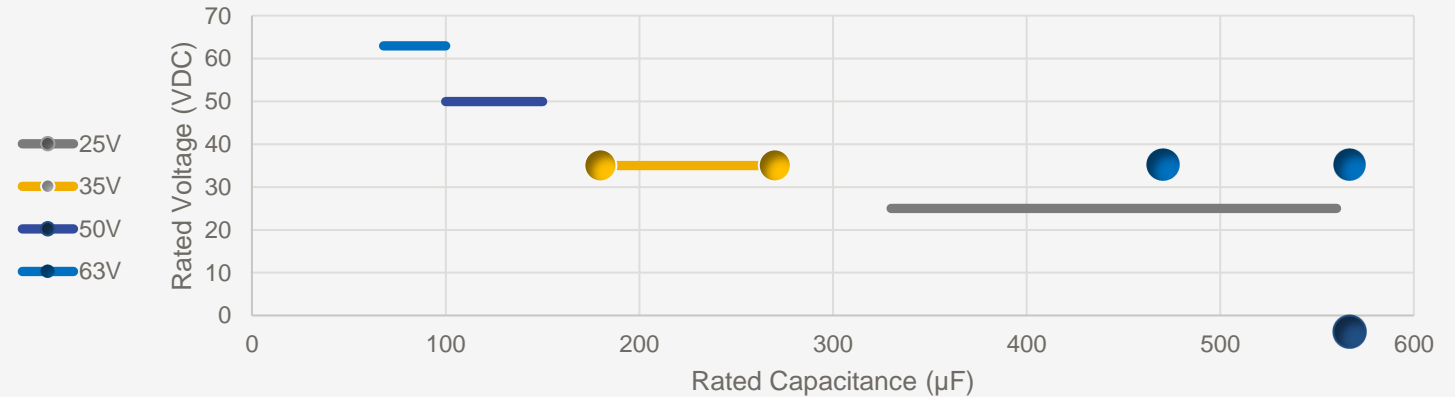
Voltage Range: **25 – 63** VDC
 Capacitance Range: **68 – 560** μ F
 Operating Temperature: **-55 to +135°C**
 Life: **2,000** hours
 Ripple Current: up to **2.9A_{rms}** @ 135°C/2,000 hours
 up to **2.6A_{rms}** @ 125°C/4,000 hours



Standard

Anti-Vibration

Characteristics



Applications

- Automotive
- Industrial
- DC-DC Regulators, Power Supplies, Decoupling

ec.kemet.com/polymer/
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