

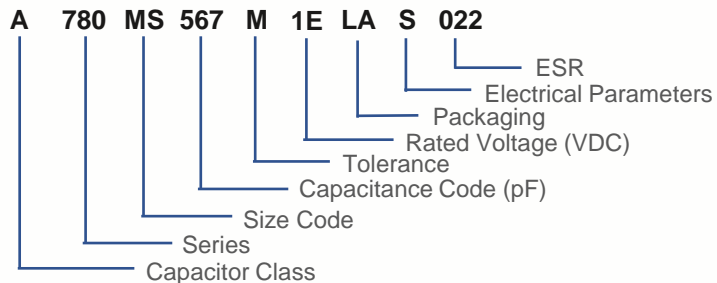
## Overview

KEMET's A780 is a surface mount conductive polymer hybrid capacitor with outstanding electrical performance. The A780 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 A780 winding is impregnated with liquid electrolyte that translates to the self-healing features of the capacitor.

## Benefits

- High ripple current for smaller case size
- High temperature, 125°C
- Low leakage current ( $I = 0.01CV$ )
- High vibration up to 30 g
- AEC-Q200 qualified

## Part Number System



# Surface Mount Hybrid Polymer

## Electrical Characteristics

Rated Voltage: 25 – 63 VDC  
 Capacitance: 27– 560  $\mu$ F  
 Operating Temp: -55°C – 125°C  
 Life: 4,000 hours @+125°C/ $I_{RAC}/U_R$

## Features

Standard & Anti-Vibration Options  
 Self-Healing Behaviors  
 AEC-Q200  
 RoHs, REACH, and Halogen Free



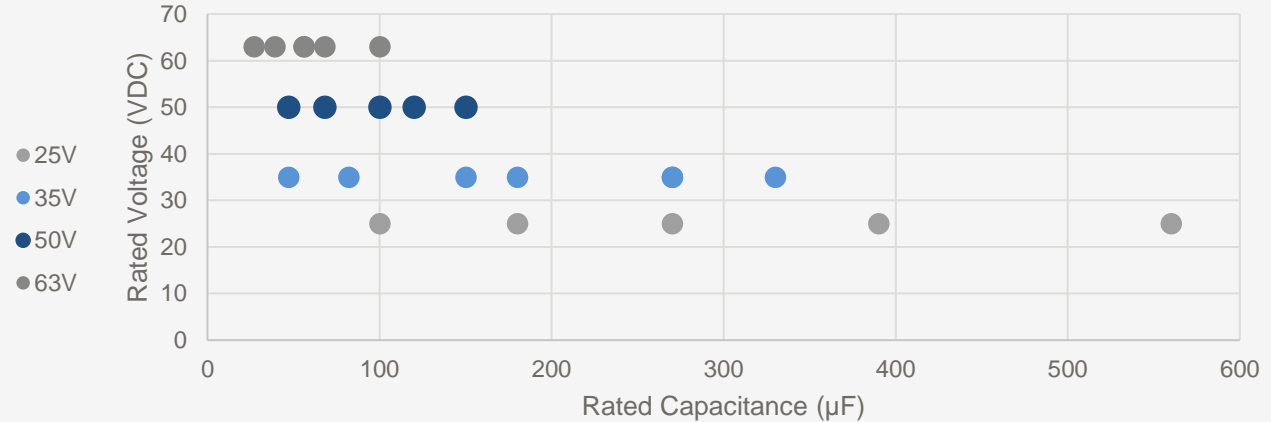
**Standard**

6.3 x 5.7  
 6.3x9.7  
 8x9.7  
 8 x 12.2  
 10 x 10.2  
 10 x 12.2

**Anti-Vibration**

10x10.4  
 10 x 12.4

## Characteristics



## Applications

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