

Impregnated Metallized Paper EMI Suppression Capacitors SMP253F, Class Y2, 310VAC, Surface Mount Device

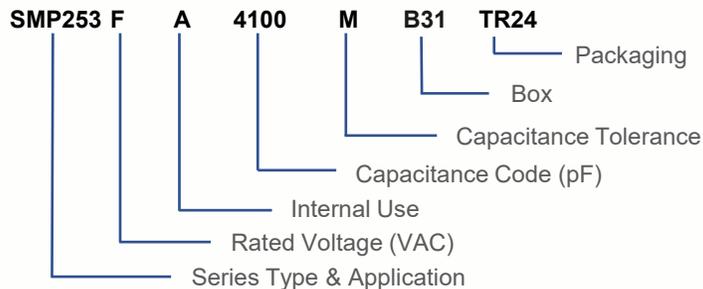
Overview

Multilayer, metallized paper, encapsulated and impregnated in self-extinguishing material that meets the requirements of UL 94 V-0. For worldwide use as an electromagnetic interference suppressor in all Y2 applications, line-to-earth.

Benefits

- Long Life and Performance Stability
- High Impulse Voltage and dV/dt (2,000 V/ μ s)
- THB Grade IIB (85°C, 85% RH, 500 hours) at 310 VAC
- Safe Failure Mode
- Self Healing

Part Number System

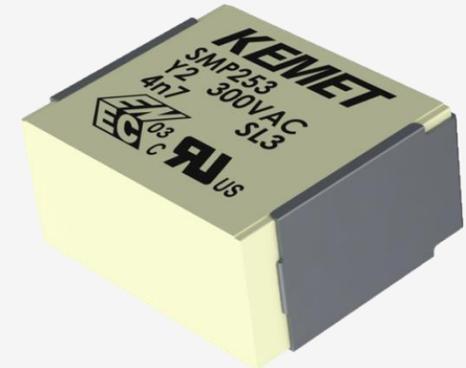


Electrical Characteristics

Capacitance Range: 1.0 nF – 68 nF
 Rated Voltage V_{AC} : 310
 Max. Recommended DC Voltage: 1,500 VDC

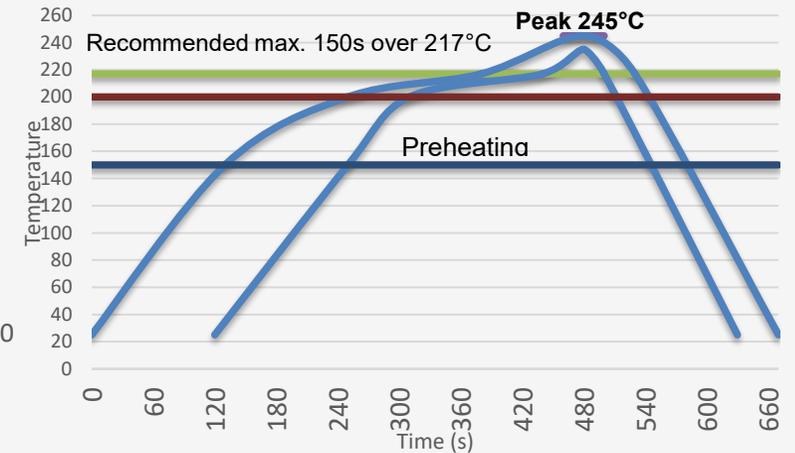
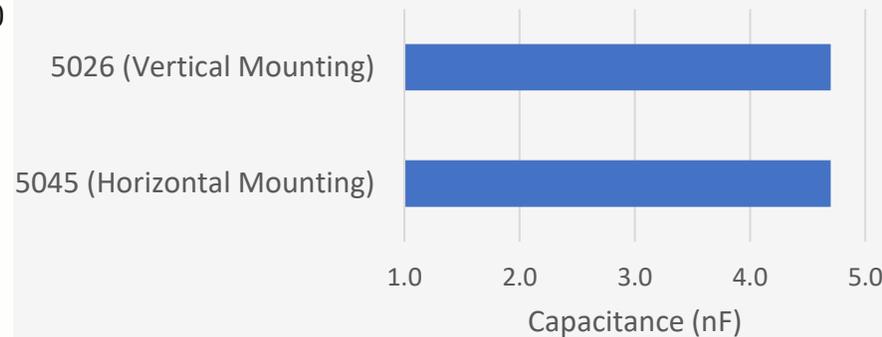
Features

Automotive grade (AEC-Q200)
 High Vibration Withstand



Characteristics

Capacitance Range by Chip Size



Applications

- ON Board Charger
- DC EMI Filter
- Auxiliary Inverter, e.g. E-Compressor
- Switching Power Supply
- Water Pump