

# Metallized Polypropylene | Film EMI Suppression Capacitor

## F863H X2 Harsh Environment, High Temperature

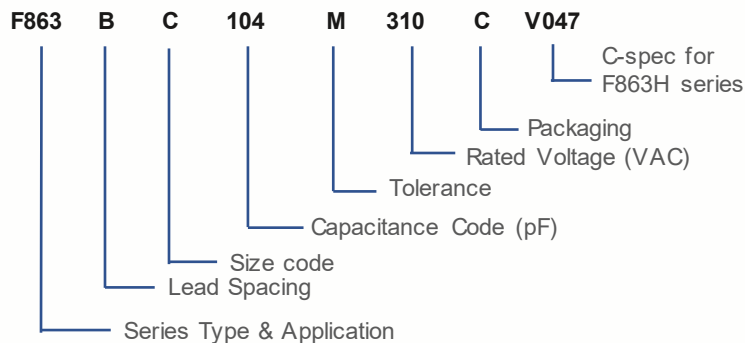
### Overview

The F863H is a radial metallized polypropylene EMI suppression capacitor with combined rated voltage, harsh environment, high-temperature, and extended life capabilities.

### Benefits

- Approvals: ENEC, UL, cUL, CQC
- Harsh Environment Capability - THB Performance 85°C | 85% R.H. | 500 h 310 VAC
  - Grade IIB in accordance with IEC
- High Temperature up to 125 °C | 2,000 h
- 100% screen factory test at 1900 VDC
- Thermal shock -55 - 125°C | 1000 cycles
- Parallel and in series with mains

### Part Number System

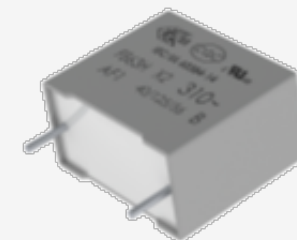


### Electrical Characteristics

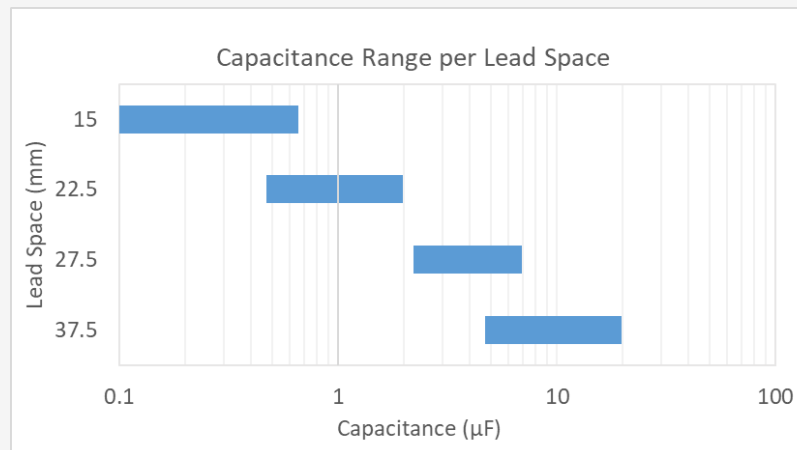
Capacitance Range: 0.1 - 15  $\mu\text{F}$   
 Rated Voltage  $V_{AC}$  : 310  $V_{AC}$  (50/60 Hz)  
 Recommended DC Voltage: 630  $V_{DC}$   
 Hipot Test up to 1.9KV peak | 60 s

### Features

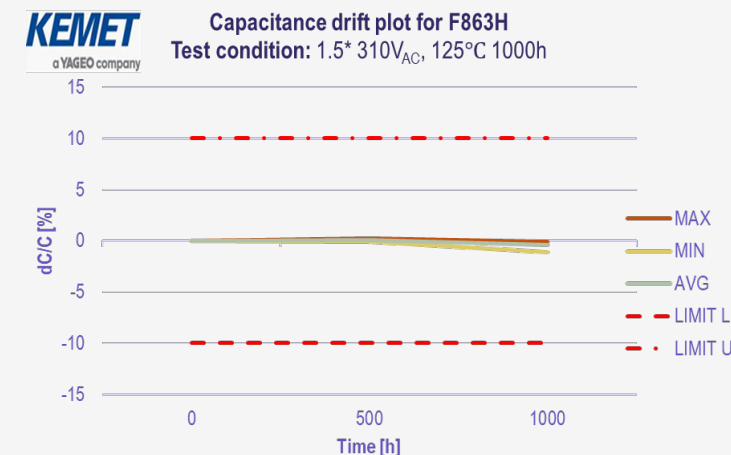
Automotive grade (AEC-Q200)  
 Lead spacing: 15.0 mm – 37.5 mm



### Characteristics



### High temperature Capability @ 310 VAC, 125 °C, 1000hr



### Applications

- AC Input X2
- HVDC Filter
- Three-Phase Output
- 3-phase UPS
- Automotive OBC, DC/DC
- Solar Inverter & Energy Storage
- Charging stations
- Energy meters