

# Metallized Polypropylene | Film EMI Suppression Capacitor

## R41P Y2/X1 Miniaturized, Harsh Environment, High Temperature

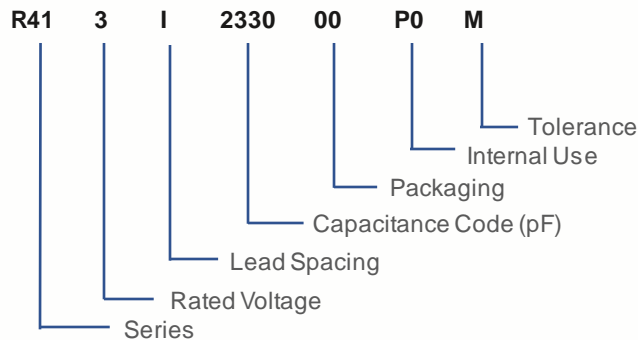
### Overview

The R41P is a radial metallized polypropylene EMI suppression capacitor with miniaturization, harsh environment, high-temperature, and extended life performances.

### Benefits

- Approvals: ENEC, UL, cUL, CQC
- 40% smaller than R41T series
- Harsh Environment Capability - THB Performance 85°C | 85% R.H. | 500 h 300 VAC
  - Grade IIB in accordance with IEC
- High Temperature up to 125 °C | 500 h
- 100% screen factory test at 3700 VDC

### Part Number System

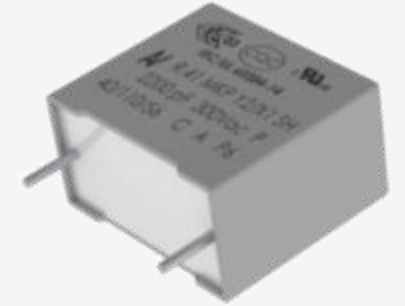


### Electrical Characteristics

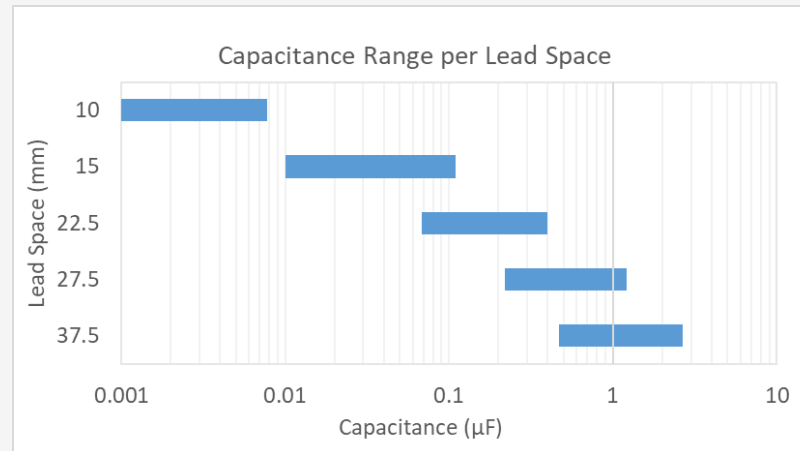
Capacitance Range: 0.001 – 2.2  $\mu$ F  
 Rated Voltage  $V_{AC}$ : 300  $V_{AC}$  (50/60 Hz)  
 Recommended DC Voltage: 1200  $V_{DC}$   
 Hi-pot Test: 3700VDC | 60 s

### Features

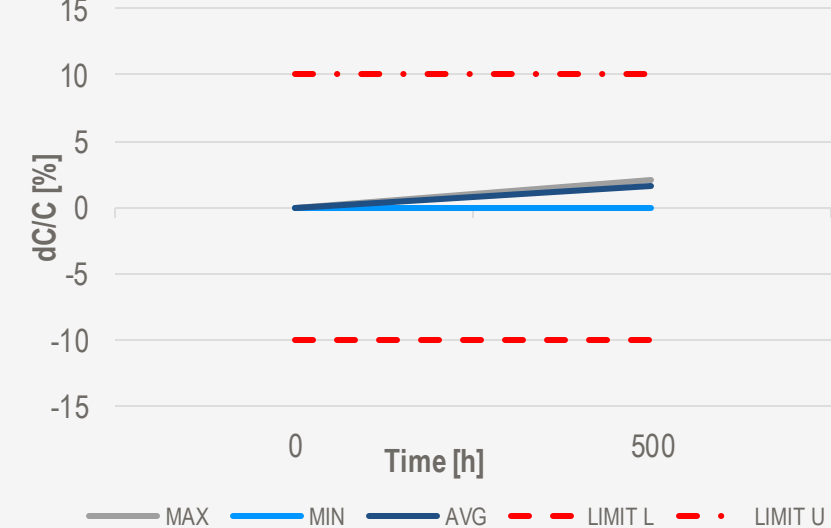
Automotive grade (AEC-Q200)  
 Lead spacing: 10.0 mm – 37.5 mm



### Characteristics



Capacitance drift plot for R41P P15  
Test :85°C, 85% RH and 300 VAC, 500 hours



### Applications

- AC Input Y2/X1
- HVDC Filter
- Three-Phase Output
- 3-phase UPS
- Automotive OBC, DC/DC
- Solar Inverter & Energy Storage
- Charging stations