

R53B X2 Harsh Environment, High Temperature

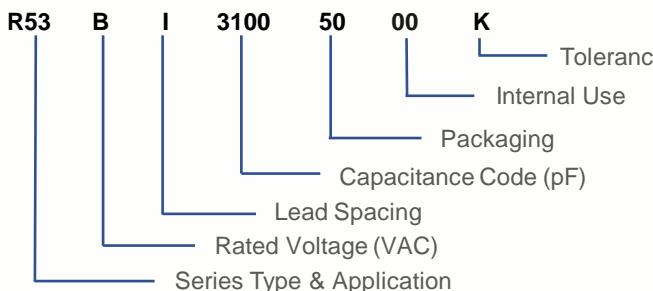
Overview

The R53B is a radial metallized polypropylene EMI suppression capacitor, first to market technology with combined rated voltage, harsh environment, high-temperature, and extended life capabilities.

Benefits

- Harsh Environment Capability
THB Performance 85°C | 85% R.H. | 1,000 h
 - 350 VAC | 800 VDC
 - Grade IIIB in accordance with IEC
- High Temperature up to 125 °C | 1,000 h
- Low-Halogen content according to JS709C

Part Number System

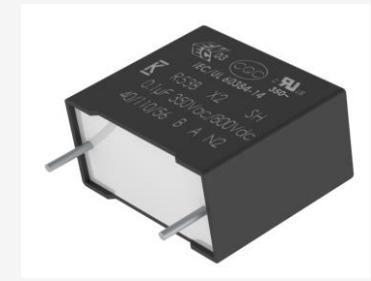


Electrical Characteristics

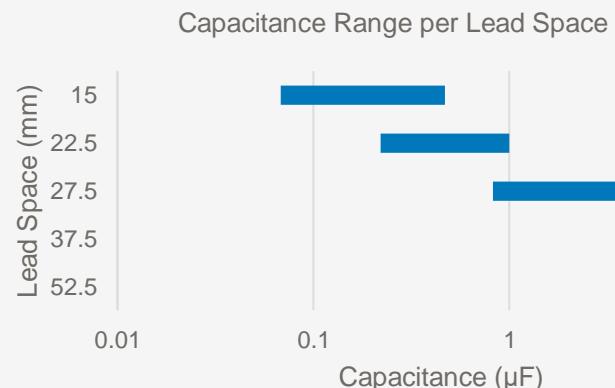
Capacitance Range: 0.068 µF - 20 µF
Rated Voltage V_{AC} : 350 V (50/60 Hz)
DC Voltage Rated up to 800 V
Hipot Test up to 2KV peak | 60 s

Features

Automotive grade (AEC-Q200)
Lead spacing: 15.0 mm – 52.5 mm
Low-Halogen content

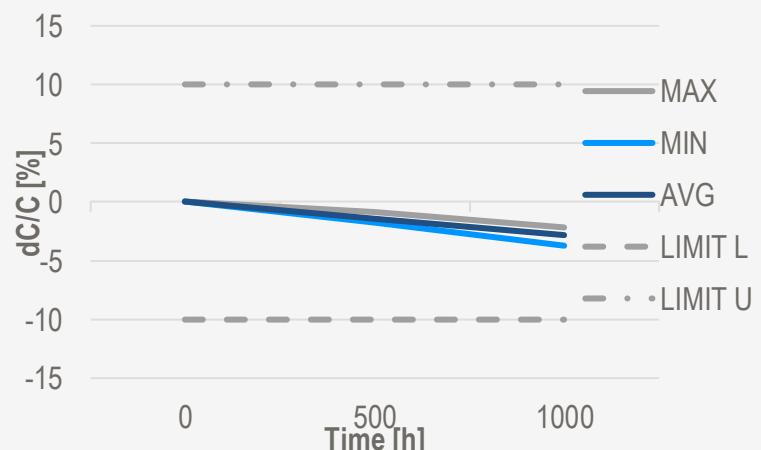


Characteristics



Harsh Environment | Accelerated Life Test

350 V AC | 85 °C | 85% R.H.



Applications

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