

R53 X2 For Harsh Environment

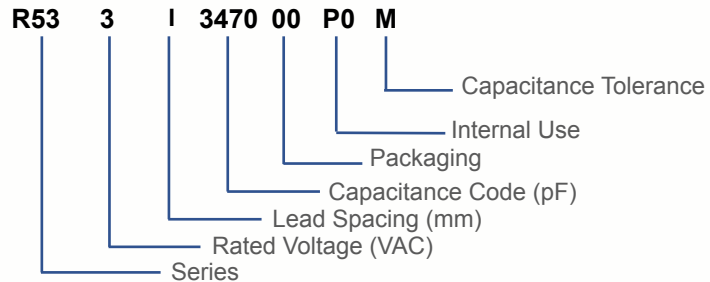
Overview

R53 series is ideal for harsh environments and is AEC-Q200 qualified. Due to its miniaturized dimensions, this series is an excellent option in space-constrained applications.

Benefits

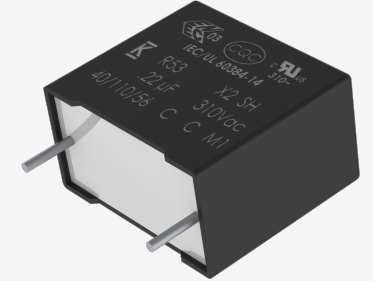
- X2 CLASS (IEC 60384-14)
- THB Grade IIIB: 85°C, 85% R.H., 1,000h at 310 V_{AC} and 560 V_{DC} according to IEC 60384-14
- AEC-Q200 qualified
- Approvals: ENEC, UL, cUL, CQC
- Low Halogen content according to JS709C

Part Number System

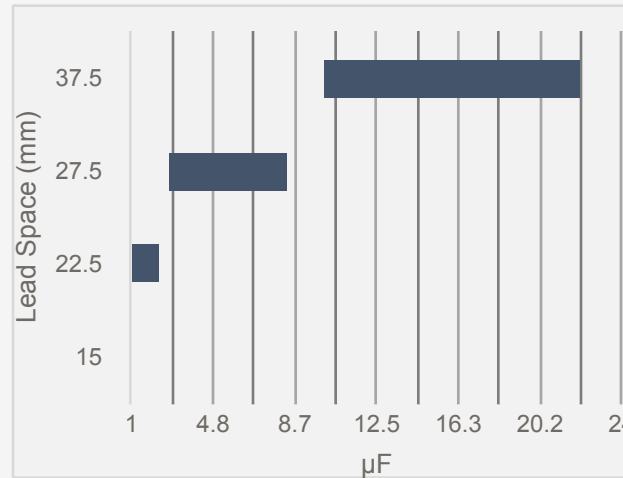


Electrical Characteristics

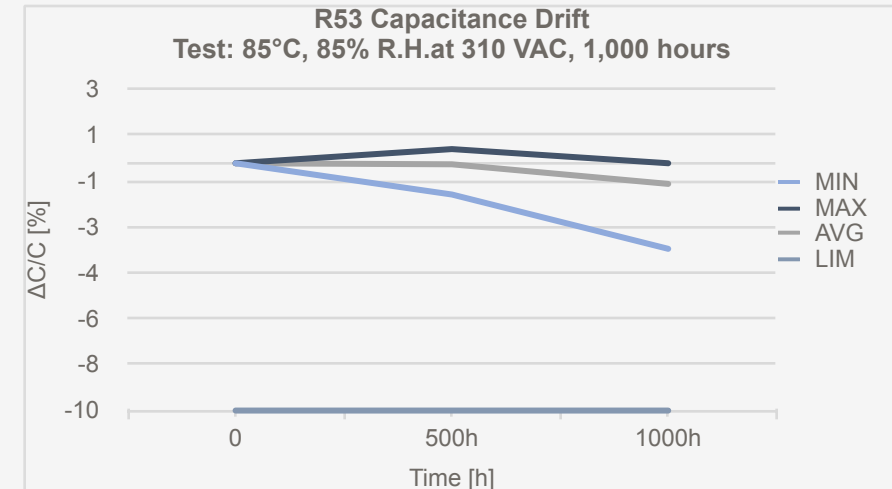
Capacitance Range: 0.1 μF – 22 μF
 Rated Voltage: 310 V_{AC}, 50 / 60 Hz, 560 V_{DC}
 Operating Temperature Range: -40°C to +110°C
 Recommended DC Voltage: ≤ 630 V_{DC}



Capacitance Range vs. Lead Space



Harsh Environment Accelerated Life Test



Applications

- EMI Filters
 - Across the mains AC and DC
- In series with the mains