

High Reliability Alternative (HRA) Series

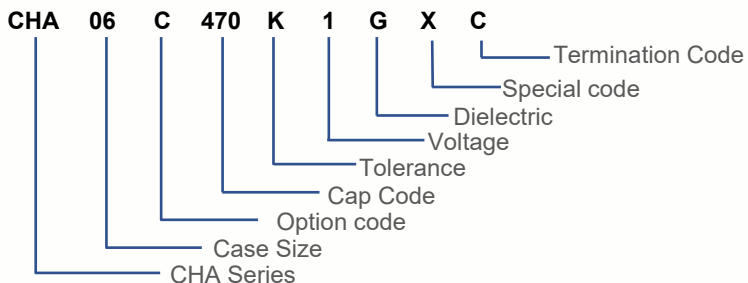
Overview

KEMET's High Reliability Alternative (HRA) series is designed, tested, and screened to meet the demands of higher reliability applications that require capacitance values not available in traditional MIL-SPEC products. KEMET's HRA series is built using more conservative designs as compared to Automotive and COTS grade along with voltage conditioning and lot-release testing.

Benefits

- Patented BME technology
- X7R Dielectric
- EIA 0402 – 2220 Case Sizes
- Voltage conditioning and post-electrical testing per MIL-PRF-32535 (5% PDA)
- Biased humidity testing (85°C/85%) per MIL-STD-202
- Lot Release Testing
- Lot Traceability
- Single Lot Date Code Available

Part Number System

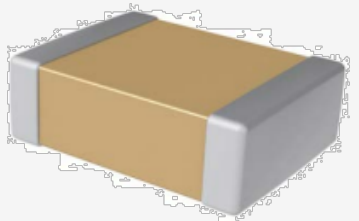


Electrical Characteristics

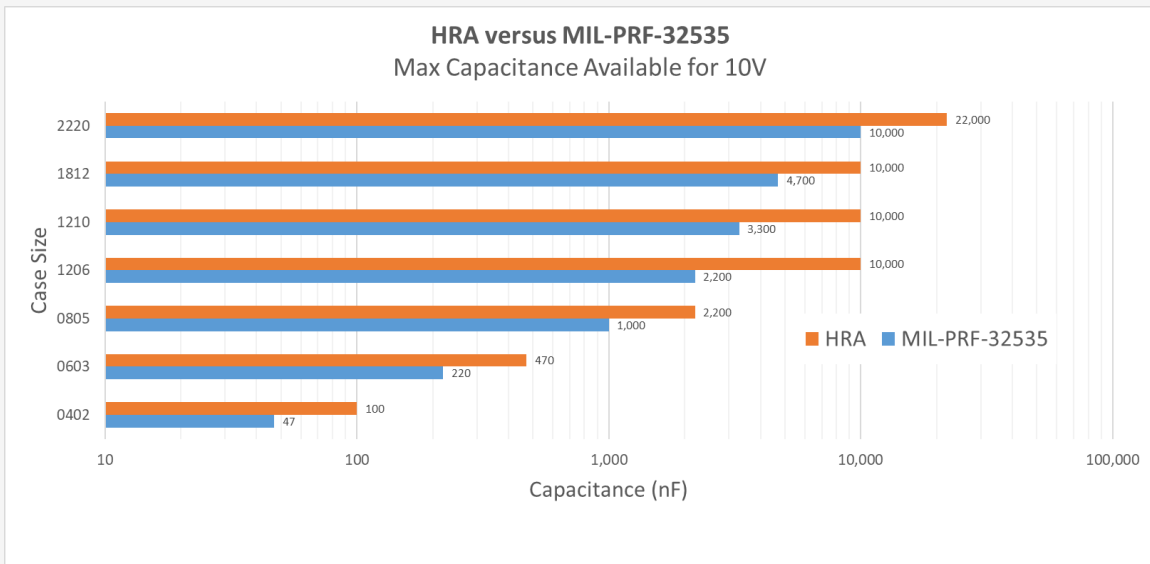
- Operating Temperature: -55°C to 125°C
- Capacitance offerings: 39 pF to 22µF
- DC voltage ratings: 6.3 V to 100 V

Features

- Higher CVs compared to MIL products
- Conservative Designs
- Lot Traceability
- Lot Release Testing



Characteristics



Applications

- Decoupling
- Bypass
- Filtering
- Transient Voltage Suppression

Design Support

- <https://ksim.kemet.com/>