

# High Reliability Alternative (HRA) Series

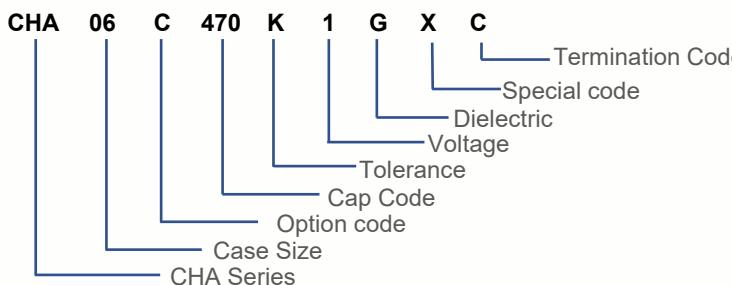
## Overview

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

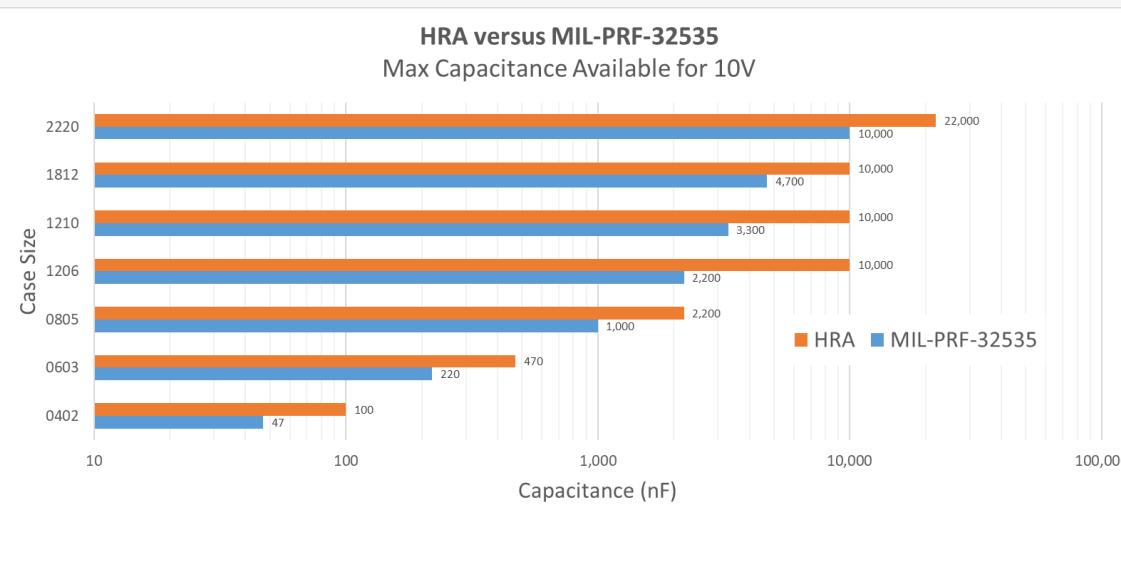
## Part Number System



## Electrical Characteristics

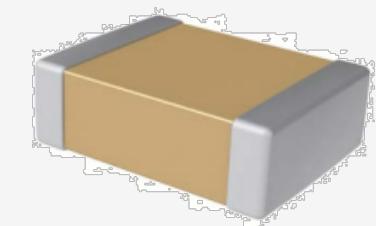
- Operating Temperature: -55°C to 125°C
- Capacitance offerings: 39 pF to 22μF
- DC voltage ratings: 6.3 V to 100 V

## Characteristics



## Features

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



## Applications

- Decoupling
- Bypass
- Filtering
- Transient Voltage Suppression

## Design Support

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