



NEW PRODUCT RELEASE FAST FACTS



[Click here to view the AEK Series datasheet](#)

BASIC OVERVIEW

KYOCERA AVX's range of aluminum capacitors provide high-CV performance in small packages, very low equivalent series resistance (ESR), high endurance, and compatibility with lead-free and RoHS requirements. Aluminum wet electrolyte V-chip style parts are suitable for mounting on high density PCB boards. Standard AEK Series offer a large range of PN for various kinds of applications.

GENERAL CHARACTERISTICS

Aluminum capacitor for power, coupling/decoupling and power hold up applications with commercial specification.

Designed for surface mounting on high density PC board.

APPLICATIONS

- Commercial DC/DC
- Computer Industry
- Energy Storage
- Industrial
- IoT
- Lighting
- White Goods

KEY SPECIFICATIONS

Endurance: 2000-3000 hours @ 105°C
Voltage Range: 6.3V-400V
Cap Range: 1μF-1000μF
Case Sizes: 0608-1216
RoHS Compliance

TOP SELLING POINTS / CHARACTERISTICS

- AEK - Low DCL
- Wide Range of PN Availability
- Low ESR = High Ripple Capability
- Competitive LT and Pricing
- One Stop Capacitor Supplier (see KYOCERA AVX entire cap product ranges)





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KYOCERA AVX ADVANTAGE VS. COMPETITOR PRODUCT

Competition:

- Broad line portfolio covering several technologies under the KYOCERA AVX brand name

Competitor Cross Series:

- Panasonic: HB
- Nichicon: UCL
- Nippon: MVE
- Rubycon: SKV
- Lelon: VEJ
- Elna: RVL

IMMEDIATELY AVAILABLE PART NUMBERS

Please see datasheet: all PN from AEK range are available for sampling.

FAQs

Q: What is max reflow temperature?

A: It is 260°C. For full information, please see the re-flow specification in the AEK datasheet.

Q: Why there are 2 different endurance levels within 1 series?

A: There is different internal construction design for lower and higher voltage PN rating.

Q: What voltage derating is required?

A: Parts can be operated up to given rated voltage, however some small voltage derating would improve overall parts reliability figures.



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