



NEW PRODUCT RELEASE FAST FACTS



[Click here to view the AEF 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. Long Life AEF Series offer large range of PN for life time and reliability demanding kind of applications.

GENERAL CHARACTERISTICS

Aluminum capacitor for power, coupling/decoupling and power hold up on applications with need for high endurance.

Designed for surface mounting on high density PC board.

APPLICATIONS

- Computer Industry
- Consumer Electronics
- DC/DC Converters
- Industrial
- IoT
- Lighting
- Special
- White Goods

KEY SPECIFICATIONS

Endurance: 6000 hours @ 105°C
Voltage Range: 6.3V-400V
Cap Range: 2.2 μ F-470 μ F
Case Sizes: 0608-1216
RoHS Compliance

TOP SELLING POINTS / CHARACTERISTICS

- AEF - High Endurance
- 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: FK, HD
- Nichicon: UUL
- Nippon: MLK
- Rubycon: SLV
- Lelon: VUK
- Elna: RZH

IMMEDIATELY AVAILABLE PART NUMBERS

Please see datasheet: all PN from AEF 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 AEF datasheet.

Q: How can be extendend endurance of 6000 hours?

A: Operating parts at lower temperature than 105°C and keeping ripple current below specification significant improve operation LT of the parts.

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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