



HIGH CV MLCC KAM SERIES



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BASIC OVERVIEW

KYOCERA AVX introduced a new line of SMD high capacitance series capacitors for automotive applications.

KYOCERA AVX's high capacitance series capacitors meet the high quality and reliability standards of the automotive industry.

APPLICATIONS

- ADAS ECU (Camera/Radar/Lidar)
- DCU
- CGW
- Cluster/HUD
- Lidar
- Memory for Automotive

GENERAL CHARACTERISTICS

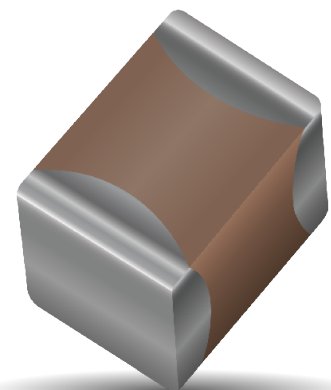
This product series is AEC-Q200 compliant, which is mainly used for CPU/MPU decoupling. These parts offer the best solution for reducing the mounting space and securing enough capacitance value, especially in the EV AD/ADAS circuits.

KEY SPECIFICATIONS

- Capacitance Range: 100nF to 22uF
- Voltage: 4V to 16V
- Case Size (EIA): 0201 to 0805
- Dielectric: X7R, X7T

TOP SELLING POINTS / CHARACTERISTICS

- We supply a smaller, high-capacitance value lineup by request for ADAS smaller circuits and faster processing.
- We have expanded our product selection for automotive applications using miniaturization and high-capacity atomization technologies developed for smartphones.





COMPETITOR CROSS SERIES

KYOCERA AVX: KAM series
Murata: GCM series
TDK: CGA series
Taiyo Yuden: MAAS series
Samsung: CL series

IMMEDIATELY AVAILABLE PART NUMBERS

KAM03AR70J104KH	KAM05AR70J105KH	KAM15AR70J105KT	KAM15CR70J475KT
KAM03CT70J474KH	KAM05CR71A105KH	KAM15AR71A105KT	KAM15CT70J106KT
KAM03CT70J105KH	KAM05CT70J225KH	KAM15AR71C105KT	KAM15CT70J226KT
KAM05AR70J474KH	KAM05CT70J475KH	KAM15AR70J225KT	KAM21AR71A106KU
KAM05AR71A474KH	KAM05CT70G106KH	KAM15AR71A225KT	KAM21AT70J226KU

FAQ'S

Q: Can this product be used for ECU, powertrain and other safety applications?

A: Yes, it can be used in compliance with the recommended conditions of the product specifications.

Q: What are the differences between the KGM Series and KAM Series?

A: "KAM" products are designed for automotive applications and in compliance with AEC-Q200.

Q: Is this product safe to use over the rated voltage?

A: The voltage applied to the capacitor must be less than the voltage rating specified in the specifications.

Q: How much does the capacitance change when a DC Voltage is applied?

A: It depends on the product. Please contact KYOCERA AVX for more information.



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