



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
- Telematics
- 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

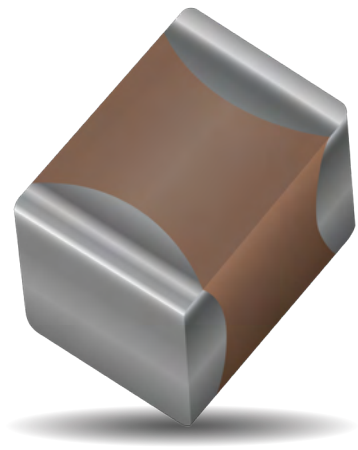
Voltage: 2.5V to 16V

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.





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HOW TO ORDER

KAM	31	G	R7	1H	475	K	U
Series AEC-Q200 Tin Nickel Finish	Size 03 = 0201 05 = 0402 15 = 0603 21 = 0805 31 = 1206 32 = 1210 42 = 1808 43 = 1812 55 = 2220	Thickness See Cap Chart	Dielectric CG = COG R7 = X7R S7 = X7S T7 = X7T R8 = X8R L8 = X8L G8 = X8G	Voltage 0E = 2.5V 0G = 4V 0J = 6.3V 1A = 10V 1C = 16V 1E = 25V 1H = 50V 2A = 100V 2D = 200V 2E = 250V 2H = 500V 2J = 630V 3A = 1000V 3N = 1500V 3D = 2000V 3E = 2500V 3U = 3000V	Capacitance Code Code (in pF) 2 Significant Digits +Number of zeros eg 10uF = 106 10nF = 103 47pF = 470	Capacitance Tolerance B = $\pm 0.1\text{pF}$ ($<10\text{pF}$)* C = $\pm 0.25\text{pF}$ ($<10\text{pF}$)* D = $\pm 0.5\text{pF}$ ($<10\text{pF}$)* F = $\pm 1\%$ * G = $\pm 2\%$ * J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$ *C0G only	Packaging See Table Below

AVAILABLE PART NUMBERS

(*) Products are available by Rated Voltage 2.5V

KAM03AR70J104KH*	KAM05FR71C104KH	KAM05CR71A105KH	KAM15AR70J105KT*	KAM15CR70J475KT*
KAM03AT70J224KH*	KAM05FR71C224KH	KAM05CT70J225KH*	KAM15AR71A105KT	KAM15CT70J106KT*
KAM03CT70J474KH*	KAM05AR70J474KH*	KAM05CT71A225KH	KAM15AR71C105KT	KAM15CT70J226KT*
KAM03CT71A474KH	KAM05AR71A474KH	KAM05CT70J475KH*	KAM15AR70J225KT*	KAM21AR71A106KU
KAM03CT70J105KH*	KAM05AR70J105KH*	KAM05CT70G106KH*	KAM15AR71A225KT	KAM21AT70J226KU*



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