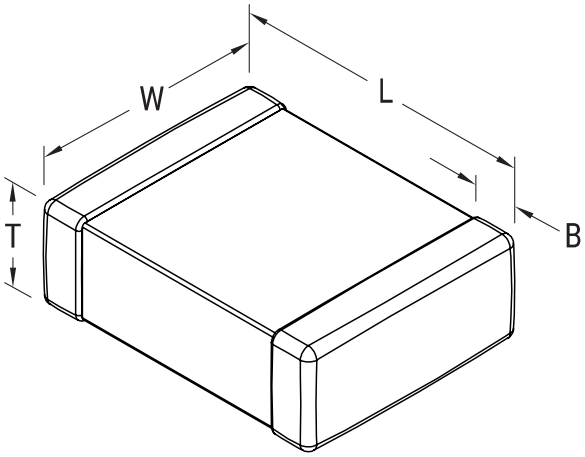
CS0603KRX7R9BB223

CS, Ceramic, 0.022 uF, 10%, 50 VDC, X7R, 0603 / 1608



Click here for the 3D model.

General Information	
Series	CS
Style	SMD Chip
Features	Class II
RoHS	Yes
Termination	Flexible Termination

Dimensions	
L	1.6mm +/-0.2mm
W	0.8mm +/-0.1mm
T	0.8mm +/-0.1mm
B	0.425mm +/-0.225mm
Case Code (EIA / mm)	0603 / 1608

Packaging Specifications	
Packaging	T&R, 178mm, Paper Tape
Packaging Quantity	4000

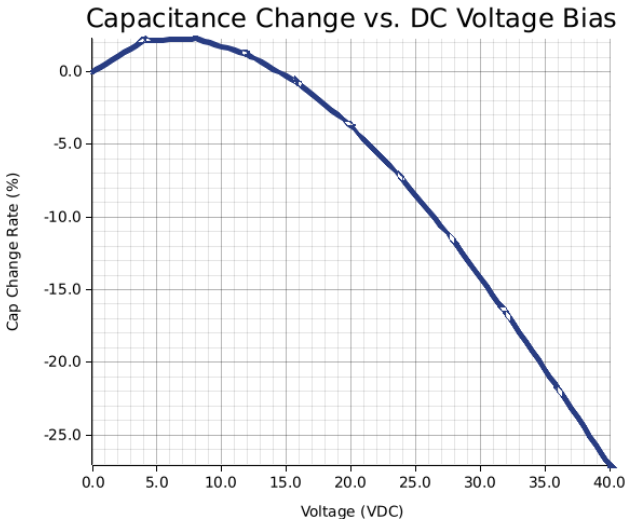
Specifications	
Capacitance	0.022 uF
Tolerance	10%
Voltage DC	50 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Dissipation Factor	2.5%
Insulation Resistance	10 GOhms

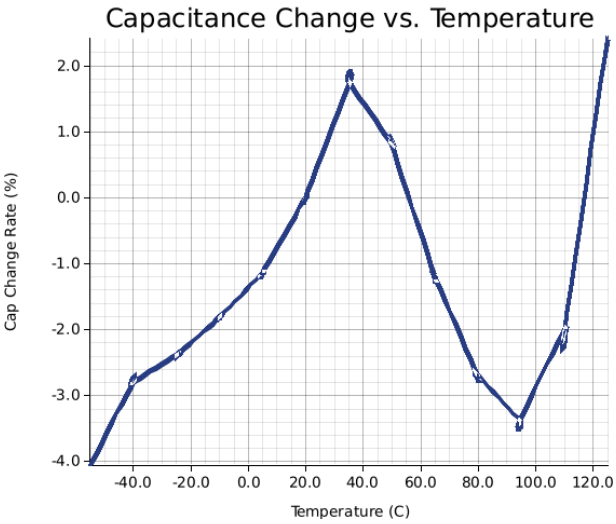
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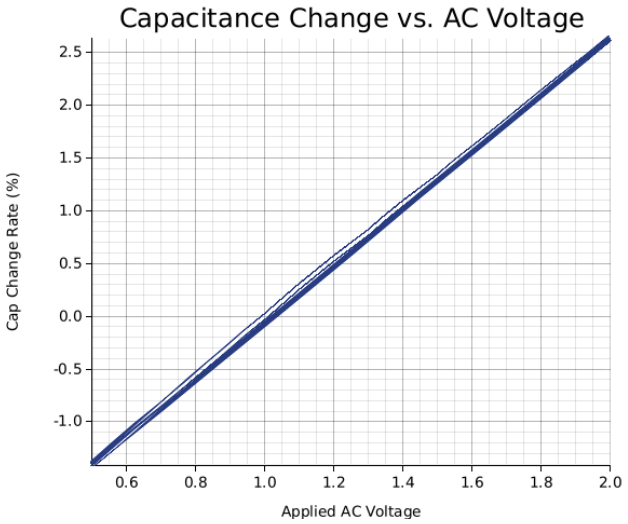
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Simulations

For the complete simulation environment please visit Y-SIM.







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CS, Ceramic, 0.022 uF, 10%, 50 VDC, X7R, 0603 / 1608

These are simulations.
This is not a specification!

The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

The responses shown do not represent a specified or implied maximum capability of the device for all applications.

- The ESR used for ripple “Ripple Current/Voltage vs. Frequency” plots is the ESR at ambient temperature.
- The ESR in the “Temperature Rise vs. Ripple Current” plots is adjusted to each incremental temperature rise before the power and ripple current is calculated.
- The effects shown herein are based on measured data from a multiple part sample of the parts in question.
- Ripple capability of this device will be factored by thermal resistance (Rth) created by circuit traces (addi affects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.
- The peak voltages generated in the “Temperature Rise vs. Combined Ripple Currents” plot are calculated for each frequency and are not combined with voltages generated at any other harmonics.
- Please consult with the catalog or field applications engineer for maximum capability of the device in specific applications.

All product information and data (collectively, the “Information”) are subject to change without notice.

KEMET K-SIM is designed to simulate behavior of components with respect to frequency, ambient temperature, and DC bias levels. The responses shown represent the typical response for each part type. Specific responses may vary, depending on manufacturing variation effects of all parameters involved, including the specified tolerances applied to capacitance and unspecified variations of ESR, ESL, and leakage resistance.

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If you have any questions please contact K-SIM.

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