

MULTILAYER CERAMIC CHIP CAPACITORS



CGA Series Automotive Grade Open Mode

Type:

CGA4 [EIA CC0805]

Issue date: Dec 2014





REMINDERS

Please read before using this product

SAFETY REMINDERS



REMINDERS

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(Example)

Catalog Issued date	Catalog Number	Item Description (On Delivery Label)	
Prior to January 2013	C1608C0G1E103J	C1608C0G1E103JT000N	
January 2013 and Later	C1608C0G1E103J080AA	C1608C0G1E103JT000N	

MULTILAYER CERAMIC CHIP CAPACITORS



CGA Series

Open Mode

Type: CGA4 [EIA CC0805]

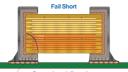




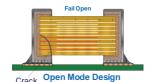




 When a chip capacitor is cracked by mechanical stress such as board bending, open mode construction helps user reduce the risk of short circuits.







 Open Mode capacitor is designed with wider gap between the terminal and the internal electrodes to help reduce the risk of short circuit in the event of capacitor cracking due to mechanical

stress such as board bending.AEC-Q200 compliant.

Applications



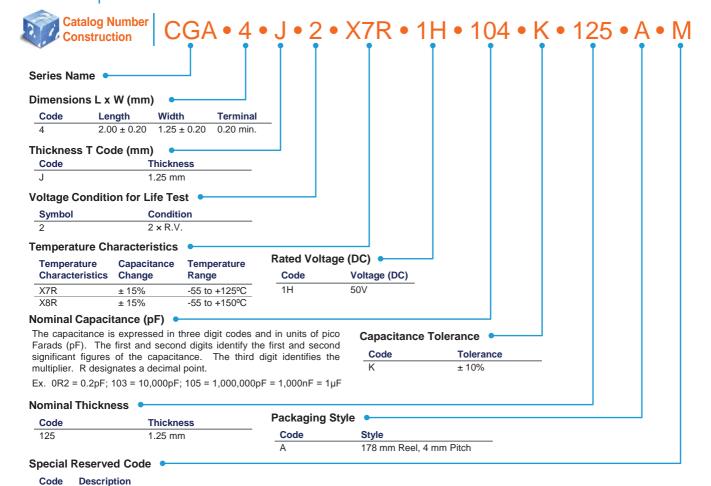
Shape & Dimensions



- High reliability and high mechanical stress applications
- Battery line circuit with high board flex stress
- · DC-DC Converter



- L Body Length
 W Body Width
 T Body Height
- B Terminal Width
 G Terminal Spacing



Open Mode Design

М





CGA4(2012) [EIA CC0805]

Capacitance Range Chart

Temperature Characteristics: X7R (±15%), X8R (±15%) Rated Voltage: 50V (1H)

			X7R	X8R
Capacitance (pF)	Code	Tolerance	1H	1H
(pi)			(50V)	(50V)
47,000	473	K: ± 10%		
68,000	683			
100,000	104			

Standard Thickness





Class 2 (Temperature Stable)

Temperature Characteristics: X7R (-55 to +125°C, ±15%)

	Capacitance Si	Size	Thickness	S Capacitance	Catalog Number	
		Size	(mm)	Tolerance	Rated Voltage Edc: 50V	
	100 nF	2012	1.25 +0.25/-0.20	± 10%	CGA4J2X7R1H104K125AM	

Class 2 (Temperature Stable)

Temperature Characteristics: X8R (-55 to +150°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number	
		(mm)	Tolerance	Rated Voltage Edc: 50V	
47 nF	2012	1.25 ± 0.20	± 10%	CGA4J2X8R1H473K125AM	
68 nF	2012	1.25 ± 0.20	± 10%	CGA4J2X8R1H683K125AM	

Mouser Electronics

Authorized Distributor

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TDK:

CGA4F2X8R1H223K085AM CGA4F2X8R1H333K085AM