



RoHS Compliant

## Features

- Crystal unit for Consumer Products
- Small and low profile (8.0×4.5×1.8mm)
- Ceramic package
- Product with lead free terminations
- Reflow compatible

## Applications

- Digital Electronics
- Consumer Products
- Car audio and accessories

## How to Order

CX8045GB 07200 □ □ □ □ □ □ □

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency  
③ Load Capacitance ④ Frequency Stability  
⑤ Operating Temp. Range ⑥ Frequency Temp. Stability  
⑦ Individual Specification... Std.Spec. as "ZZ"
- |           |              |                          |          |                         |      |
|-----------|--------------|--------------------------|----------|-------------------------|------|
| <b>H0</b> | 12 pF        | Std.                     | <b>P</b> | $\pm 50 \times 10^{-6}$ | Std. |
| <b>ES</b> | -10 to +70°C | $\pm 50 \times 10^{-6}$  | Std.     | to 4000kHz              |      |
| <b>ET</b> | -10 to +70°C | $\pm 100 \times 10^{-6}$ | Std.     | from 4001kHz            |      |

## Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	5000 to 48000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	12	pF	
Frequency Stability	f <sub>tol</sub>	±50	$\times 10^{-6}$	@ 25°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T <sub>use</sub>	-10 to +70	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	$\pm 50$ (5000 to 4000kHz)   $\pm 100$ (4001 to 4800kHz)	$\times 10^{-6}$	ref. @ 25°C over operating temperature range

\* Please contact us for other specifications.

## Typical Frequencies and Part Numbers

Frequency (kHz)	Standard Part Number
7200.000	CX8045GB07200H0PESZZ
14318.180	CX8045GB14318H0PESZZ
16000.000	CX8045GB16000H0PESZZ
16384.000	CX8045GB16384H0PESZZ
16934.400	CX8045GB16934H0PESZZ
19660.800	CX8045GB19660H0PESZZ
20000.000	CX8045GB20000H0PESZZ
21477.720	CX8045GB21477H0PESZZ
24000.000	CX8045GB24000H0PESZZ
24576.000	CX8045GB24576H0PESZZ
27000.000	CX8045GB27000H0PESZZ
28636.360	CX8045GB28636H0PESZZ
30000.000	CX8045GB30000H0PESZZ
32000.000	CX8045GB32000H0PESZZ
36000.000	CX8045GB36000H0PESZZ
40000.000	CX8045GB40000H0PESZZ

## Table1 Motional Series Resistance

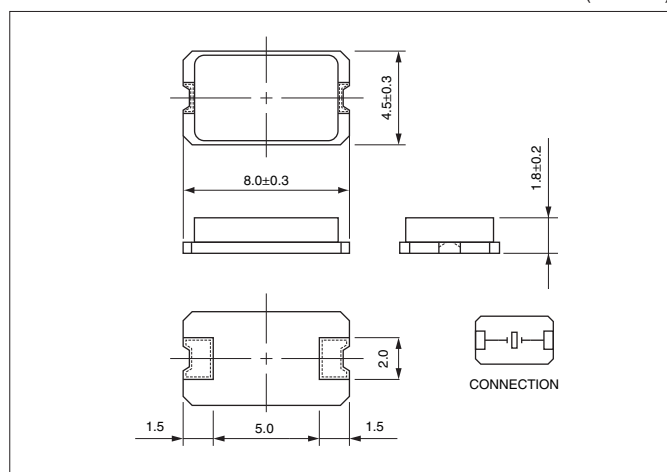
Frequency Range	Motional Series Resistance	Units
5000 to 7199kHz	500 max.	ohm
7200 to 9999kHz	200 max.	
10000 to 11999kHz	150 max.	
12000 to 48000kHz	100 max.	

## Table2 Level of Drive

Frequency Range	Drive Level	Units
5000 to 15999kHz	10 (500 max.)	μW
16000 to 24999kHz	10 (300 max.)	
25000 to 48000kHz	10 (100 max.)	

## Dimensions

(Unit: mm)



## Recommended Land Pattern

(Unit: mm)

