



RoHS Compliant

### Features

- Crystal unit for audio-visual, office equipment
- Small and low profile (8.0x4.5x1.8mm)
- Ceramic package
- Product with lead free terminations
- Reflow compatible

### Applications

- Audio-Visual, Office Equipment

### How to Order

CX8045GB 30000 H0 P E S ZZ  
 ① ② ③ ④ ⑤ ⑥ ⑦

① Code

② Typical Frequencies

Code	Freq.(kHz)	Code	Freq.(kHz)
14318	14318.180	24576	24576.000
16000	16000.000	27000	27000.000
16384	16384.000	28636	28636.000
16934	16934.400	30000	30000.000
19660	19660.800	32000	32000.000
20000	20000.000	36000	36000.000
21477	21477.720	40000	40000.000
24000	24000.000		

\*Please inquire about frequencies other than the above.

③ Load Capacitance

H0	12pF
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④ Frequency Stability

P	$\pm 50 \times 10^{-6}$
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⑤ Operating Temperature Range

E	-10°C to +70°C
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⑥ Frequency Temperature Stability

S	$\pm 50 \times 10^{-6}$
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⑦ Special

ZZ	Custom Specification
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### Specifications

Items	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	7200 to 48000	kHz	
Overtone Order	OT	Fundamental	—	
Frequency Tolerance	f <sub>tol</sub>	±50	×10 <sup>-6</sup>	@ 25°C
Frequency Temp. Characteristics	f <sub>tem</sub>	±50	×10 <sup>-6</sup>	ref.@ 25°C Over Operating Temp. Range
Motional Series Resistance	R1	Table 1	ohm	
Level of Drive	DL	Table 2	μW	
Load Capacitance	CL	12	pF	
Operating Temp. Range	T <sub>use</sub>	-10 to +70	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	

\* Please inquire about specifications other than the above.

### Table1 Motional Series Resistances

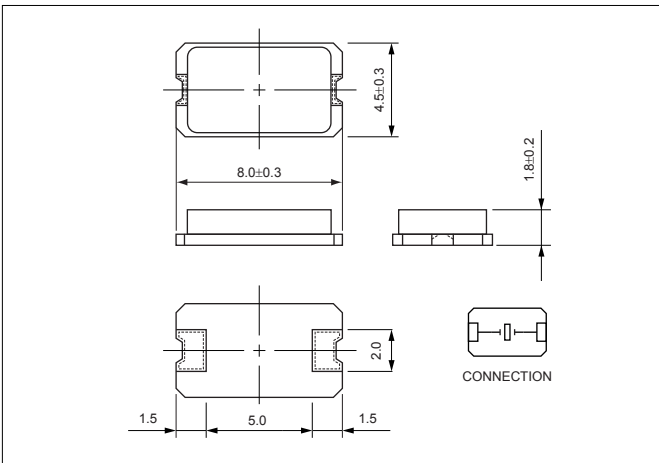
Frequency Range	Motional Series Resistance	Units
7200 to 9999kHz	200	ohm
10000 to 11999kHz	150	
12000 to 48000kHz	50	

### Table2 Level of Drive

Frequency Range	Level of Drive	Units
7200 to 9999kHz	10 (500 max.)	μW
16000 to 24999kHz	10 (300 max.)	
25000 to 48000kHz	10 (100 max.)	

### Dimensions

(Unit : mm)



### Recommended Land Pattern

(Unit : mm)

