



RoHS Compliant

### Features

- Crystal unit for Consumer Products
- Small and low profile (T=1.1mm max.) (5.0x3.2x1.0mm)
- Ceramic package
- Reflow compatible

### Applications

- Digital Electronics
- Consumer Products
- Car audio and accessories

### How to Order

CX5032GB 27000 □ □ □ □ □ □

- ① Series                      ② Frequency  
③ Load Capacitance      ④ Frequency Tolerance
- HO**    12 pF                  **H**       $\pm 20 \times 10^{-6}$
- ⑤ Operating Temp. Range   ⑥ Frequency Temp. Stability
- EQ**    -10 to +70°C               $\pm 30 \times 10^{-6}$
- ⑦ Individual Specification

Packaging (Tape & Reel 3000/ 1000 pcs./ reel)

### Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	7372.8 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8          12	pF	
Frequency Tolerance	f <sub>tol</sub>	±20	×10 <sup>-6</sup>	25°C±3°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>	±30	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

• Please contact us for other specifications.

### Table1 Motional Series Resistance

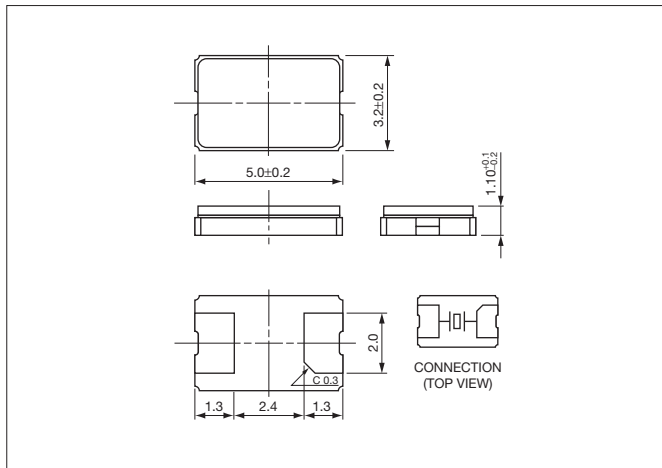
Frequency Range	Motional Series Resistance
7372.8 ≤ f <sub>nom</sub> < 9500kHz	300Ω max.
9500 ≤ f <sub>nom</sub> < 10000kHz	200Ω max.
10000 ≤ f <sub>nom</sub> < 14000kHz	150Ω max.
14000 ≤ f <sub>nom</sub> < 20000kHz	100Ω max.
20000 ≤ f <sub>nom</sub> < 30000kHz	70Ω max.
30000 ≤ f <sub>nom</sub> ≤ 54000kHz	50Ω max.

### Table2 Level of Drive

Frequency Range	Level of Drive
7372.8 ≤ f <sub>nom</sub> < 16000kHz	10μW (500μW max.)
16000 ≤ f <sub>nom</sub> < 25000kHz	10μW (300μW max.)
25000 ≤ f <sub>nom</sub> ≤ 54000kHz	10μW (100μW max.)

### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)

