

5.0×3.2mm for Consumer Products



RoHS Compliant

### Features

- Crystal unit for Consumer Products
- Small and low profile (T=1.1mm max.) (5.0×3.2×1.0mm)
- Ceramic package
- Reflow compatible

### Applications

- Digital Electronics
- Consumer Products
- Car audio and accessories

### How to Order

CX5032GB 27000

①                      ②                      ③                      ④                      ⑤                      ⑥                      ⑦

- ① Series                      ② Frequency  
③ Load Capacitance    ④ Frequency Tolerance
- |    |       |   |                      |
|----|-------|---|----------------------|
| HO | 12 pF | H | ±20×10 <sup>-6</sup> |
|----|-------|---|----------------------|
- ⑤ Operating Temp. Range    ⑥ Frequency Temp. Stability
- |    |              |  |                      |
|----|--------------|--|----------------------|
| EQ | -10 to +70°C |  | ±30×10 <sup>-6</sup> |
|----|--------------|--|----------------------|
- 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

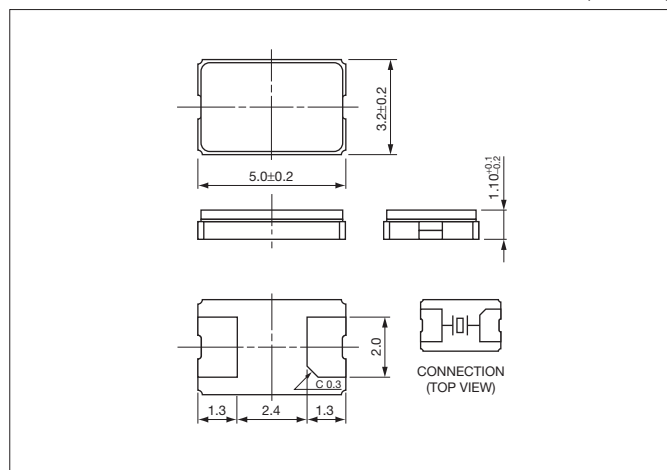
Frequency Range	Motional Series Resistance
7372.8≤f <sub>nom</sub> < 9500kHz	300Ω max.
9500≤f <sub>nom</sub> <10000kHz	200Ω max.
10000≤f <sub>nom</sub> <14000kHz	150Ω max.
14000≤f <sub>nom</sub> <20000kHz	100Ω max.
20000≤f <sub>nom</sub> <30000kHz	70Ω max.
30000≤f <sub>nom</sub> ≤54000kHz	50Ω max.

#### 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.)

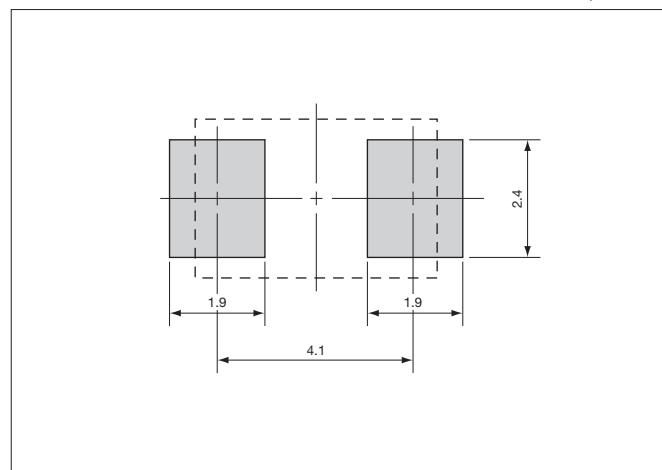
### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)



# Mouser Electronics

Authorized Distributor

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[Kyocera:](#)

[CX49GFWB08000H0PESZZ](#) [CX5032GB10000H0PESZZ](#) [CX5032GB08000H0HPSZ1](#)