

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

### How to Order

CX5032GB 27000 ☐ ☐ ☐ ☐ ☐ ☐

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency  
③ Load Capacitance ④ Frequency Tolerance

**H0** 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 1000/ 3000 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               | 12              | pF                | Please contact us for other Load Capacitance. |
| 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**

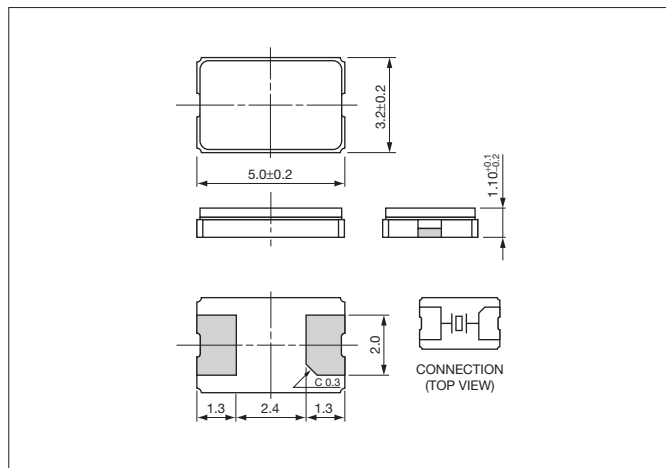
| Frequency Range                   | Motional Series Resistance |
|-----------------------------------|----------------------------|
| 7372.8≤f <sub>nom</sub> < 9500kHz | 300Ω max.                  |
| 9500≤f <sub>nom</sub> <10000kHz   | 200Ω max.                  |
| 10000≤f <sub>nom</sub> <14000kHz  | 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)

