

# Crystal Units

## Surface Mount Type CX5032SB



5.0x3.2mm for Mobile Communications



RoHS Compliant

### Features

- Reference frequency for telecommunication systems
- Ceramic package
- Reflow compatible

### Applications

- Mobile Communications, Bluetooth®, Wireless LAN

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### How to Order

CX5032SB 26000

- ① Series
- ② Frequency
- ③ Load Capacitance
- ④ Frequency Tolerance
- ⑤ Operating Temp. Range
- ⑥ Frequency Temp. Stability
- ⑦ Individual Specification

<b>HO</b>	12 pF	<b>F</b>	±10×10 <sup>-6</sup>
<b>LJ</b>	-30 to +85°C		±15×10 <sup>-6</sup>

Packaging (Tape & Reel 1000 pcs./ reel)

### Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	9800 to 50000	50 to 80 (MHz)	kHz
Overtone Order	OT	Fundamental	3rd. Overtone	—
Load Capacitance	CL	12	pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f <sub>tol</sub>	±10	×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>	-30 to +85	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15	×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
9800 ≤ f <sub>nom</sub> < 10000kHz	150Ω max.
10000 ≤ f <sub>nom</sub> < 12000kHz	80Ω max.
12000 ≤ f <sub>nom</sub> < 26000kHz	50Ω max.
26000 ≤ f <sub>nom</sub> ≤ 50000kHz	40Ω max.
* 50 ≤ f <sub>nom</sub> ≤ 80 (MHz)	80Ω max.

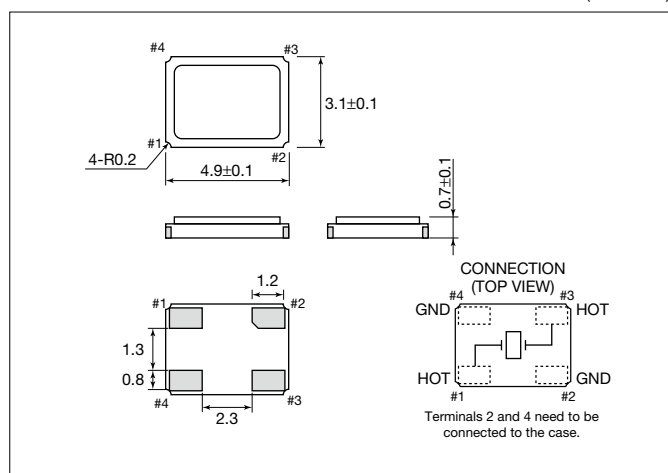
\* 3rd Overtone

#### Table2 Level of Drive

Frequency Range	Level of Drive
9800 ≤ f <sub>nom</sub> ≤ 50000kHz	10μW (100μW max.)
50 ≤ f <sub>nom</sub> ≤ 80 (MHz)	

### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)

