



**Pb Free**

**RoHS Compliant**

**Features**

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- Small and low profile

**Applications**

- Mobile Communications, Bluetooth, Wireless LAN

**How to Order**

**CX3225SB 26000 D0 F L J ZZ**  
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Code
- ② Typical Frequencies

Code	Freq.(kHz)	Code	Freq.(kHz)
12000	12000.000	20000	20000.000
13000	13000.000	26000	26000.000
13560	13560.000	32000	32000.000
16000	16000.000	38400	38400.000
19200	19200.000	40000	40000.000

\*Please inquire about frequencies other than the above.

- ③ Load Capacitance

<b>D0</b>	8pF
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- ④ Frequency Stability

<b>F</b>	±10×10 <sup>-6</sup>
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- ⑤ Operating Temperature Range

<b>L</b>	-30°C to +85°C
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- ⑥ Frequency Temperature Stability

<b>J</b>	±15×10 <sup>-6</sup>
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- ⑦ Special

<b>ZZ</b>	Custom Specification
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**Specifications**

Items	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	12000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Frequency Tolerance	f <sub>tol</sub>	±10	×10 <sup>-6</sup>	@ 25°C
Frequency Temp. Characteristics	f <sub>tem</sub>	±15	×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	8	pF	
Operating Temp. Range	T <sub>use</sub>	-30 to +85	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	

\* Please inquire about specifications other than the above.

**Table1 Motional Series Resistances**

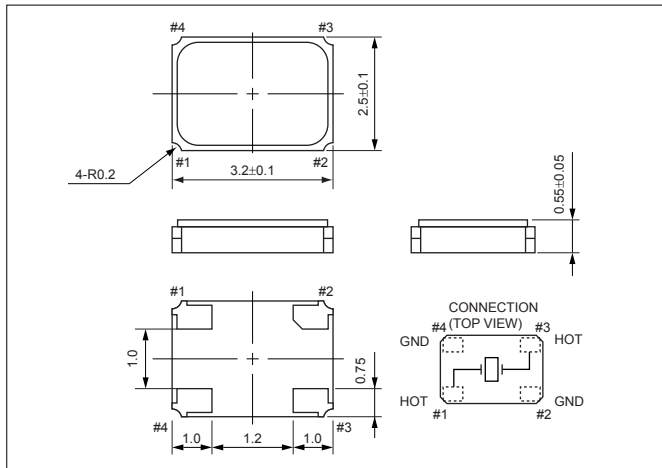
Frequency Range	Motional Series Resistance	Units
12000 to 13999kHz	300	ohm
14000 to 15999kHz	200	
16000 to 26999kHz	100	
27000 to 54000kHz	50	

**Table2 Level of Drive**

Frequency Range	Level of Drive	Units
12000 to 54000kHz	10 (100 max.)	μW

**Dimensions**

(Unit : mm)



**Recommended Land Pattern**

(Unit : mm)

