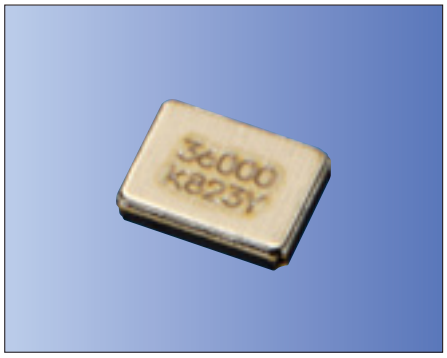
Crystal Units
Surface Mount Type CX1612SB

KYOCERA

1.6×1.2mm for Mobile Communications



RoHS Compliant

Features

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

Applications

- Mobile Communications, Bluetooth®, Wireless LAN

* Bluetooth® Trademarks are owned by Bluetooth SIG Inc.

How to Order

CX1612SB 36000 □□ □ □ □ □□

① ② ③ ④ ⑤ ⑥ ⑦

① Series
② Frequency
③ Load Capacitance
④ Frequency Stability

B0	6 pF	—
D0	8 pF	Std.

F	±10×10⁻⁶	Std.
G	±15×10⁻⁶	—

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

FF	−20 to +70°C	±10×10⁻⁶	—
LJ	−30 to +85°C	±15×10⁻⁶	Std.

⑦ Individual Specification

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

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	26000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Stability	f_{tol}	±10	×10⁻⁶	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	µW	
Operating Temp. Range	T_{use}	−30 to +85	°C	
Storage Temp. Range	T_{stg}	−40 to +85	°C	
Frequency Temp. Characteristics	f_{tem}	±15	×10⁻⁶	Freq. deviation from the value at 25°C

• Please contact us for other specifications.

Typical Frequencies and Part Numbers

Frequency (kHz)	Part Number
32000.000	CX1612SB32000D0FLJZ1
36000.000	CX1612SB36000D0FLJZ1
38400.000	CX1612SB38400D0FLJZ1
40000.000	CX1612SB40000D0FLJZ1

Table1 Motional Series Resistance

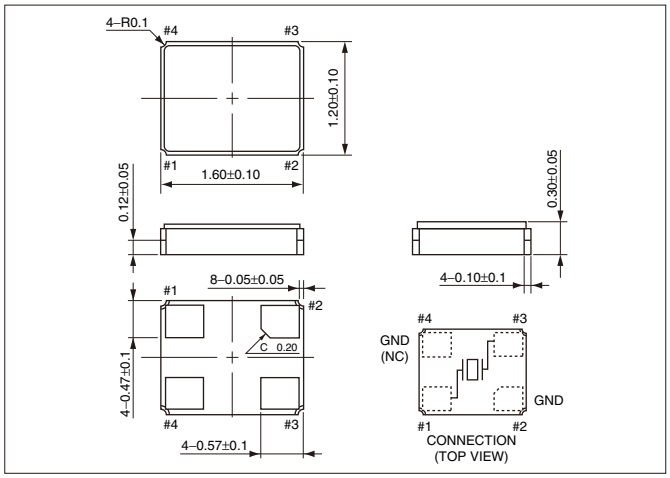
Frequency Range	Motional Series Resistance
26000 to 39999kHz	200Ω max.
40000 to 60000kHz	100Ω max.

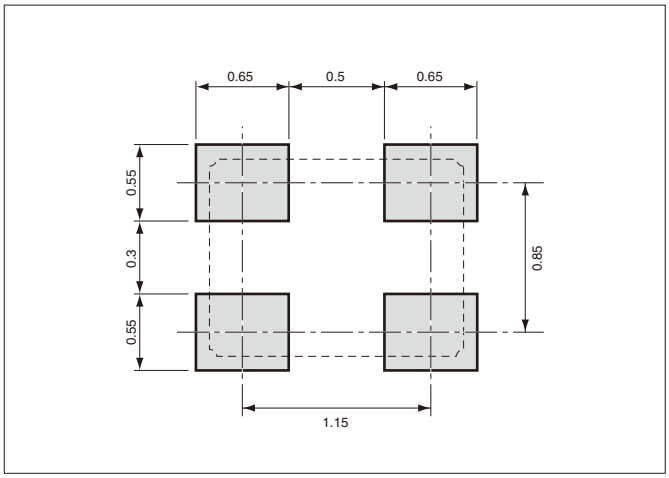
Table2 Level of Drive

Frequency Range	Level of Drive
26000 to 60000kHz	10µW (100µW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)