Crystal Units
Surface Mount Type CX1210SB

KYOCERA

1.2×1.0mm for Mobile Communications

RoHS Compliant

Features

- Ultra-miniature and low profile (1.2×1.0×0.35mm max.)
- Crystal unit for mobile communication Systems.
- Reflow compatible
- Using ceramic package resulting in high reliability

Applications

- Mobile Communications, Bluetooth®, Wireless LAN

* Bluetooth® Trademarks are owned by Bluetooth SIG Inc.

How to Order

CX1210SB 27120 □□ □ □ □ □□
① ② ③ ④ ⑤ ⑥ ⑦

① Series
② Frequency
③ Load Capacitance

B0	6 pF
D0	8 pF

④ Frequency Stability

F	$\pm10\times10^{-6}$
G	$\pm15\times10^{-6}$

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

FF	−20 to +70°C	$\pm10\times10^{-6}$
LJ	−30 to +85°C	$\pm15\times10^{-6}$

⑦ Individual Specification

Packaging (Tape & Reel 1000/ 3000/ 12000/ 21000pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	27120/ 32000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Tolerance	f_{tol}	±10	$\times10^{-6}$	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 +105	°C	
Frequency Temp. Characteristics	f_{tem}	±10	$\times10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

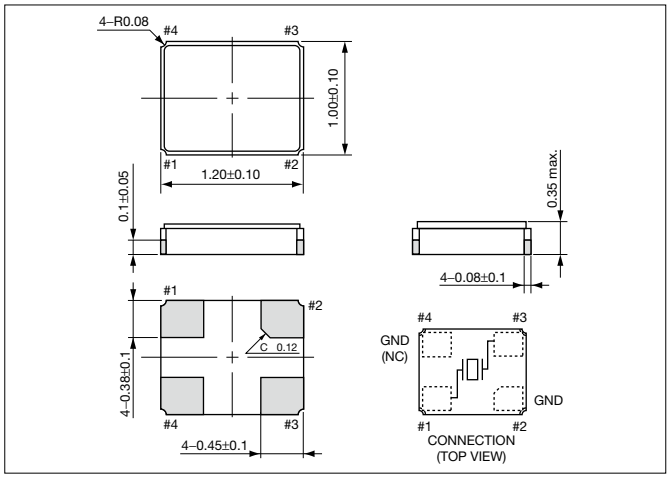
Frequency Range	Motional Series Resistance
f_{nom}=27120kHz	100Ω max.
f_{nom}=32000kHz	60Ω max.

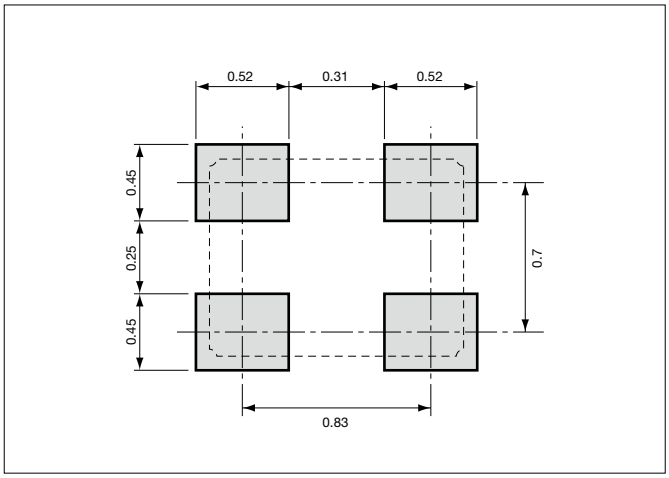
Table2 Level of Drive

Frequency Range	Level of Drive
f_{nom}=27120/ 32000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)