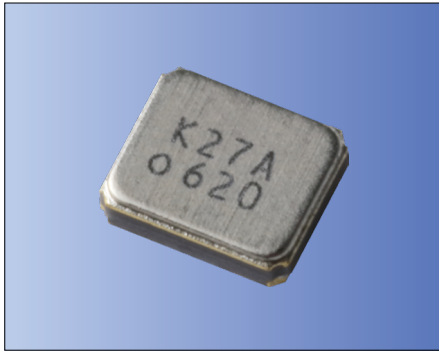




1.2×1.0mm for Consumer Products/ Mobile Communications



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 □□ □ □ □ CC  
① ② ③ ④ ⑤ ⑥ ⑦

①Series	②Frequency
③Load Capacitance	④Frequency Stability
B0 6 pF	F ±10×10 <sup>-6</sup>
D0 8 pF	G ±15×10 <sup>-6</sup>

⑤Operating Temp. Range	⑥Frequency Temp. Stability
FF -20 to +70°C	±10×10 <sup>-6</sup>
LH -30 to +85°C	±12×10 <sup>-6</sup>
LJ -30 to +85°C	±15×10 <sup>-6</sup>

⑦Individual Specification (STD Specification is "CC".)

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

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f <sub>nom</sub>	27120 / 32000 / 48000 / 76800	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
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 +105	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±12	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Crystal Units

Table 1 Motional Series Resistance

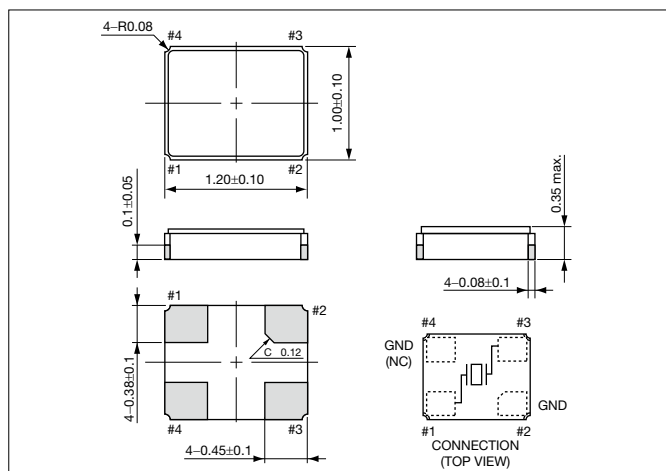
Frequency Range	Motional Series Resistance
f <sub>nom</sub> =27120kHz	100 Ω max.
f <sub>nom</sub> =32000kHz	60 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
f <sub>nom</sub> =27120/ 32000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

