



1.6×1.2mm for Consumer Products



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile
32000kHz or more accepts 0.33mm-high
- Ceramic package
- Reflow compatible

Applications

- 1seg. tuner
- Wearable devices
- True wireless earphones

How to Order

CX1612DB 36000 □□ G E J CC
① ② ③ ④ ⑤ ⑥ ⑦

- ①Series
- ②Frequency
- ③Load Capacitance
- ④Frequency Tolerance

B0	6 pF	G	±15×10 ⁻⁶
D0	8 pF		

- ⑤Operating Temp. Range
- ⑥Frequency Temp. Stability

EJ	-10 to +70°C		±15×10 ⁻⁶
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⑦Individual Specification
(STD Specification is "CC".)

Packaging (Tape & Reel 3000/ 20000 pcs./ reel)

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f _{nom}	26000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Tolerance	f _{tol}	±15	×10 ⁻⁶	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T _{use}	-10 to +70	°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.

Table 1 Motional Series Resistance

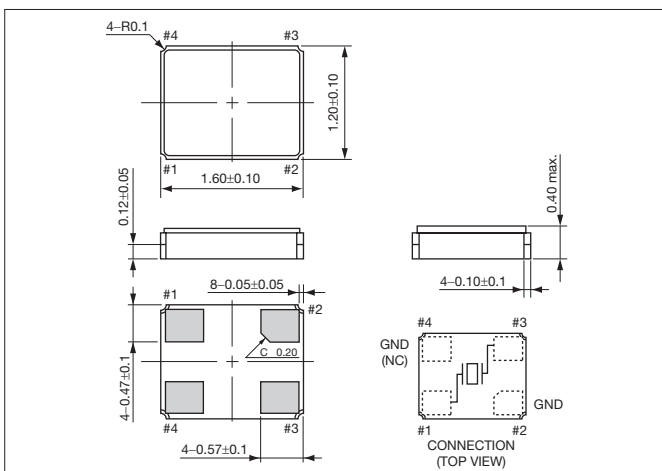
Frequency Range	Motional Series Resistance
26000≤f _{nom} <37400kHz	150 Ω max.
37400≤f _{nom} <50000kHz	80 Ω max.
50000≤f _{nom} ≤60000kHz	50 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
26000≤f _{nom} ≤60000kHz	10μW (100μW max.)

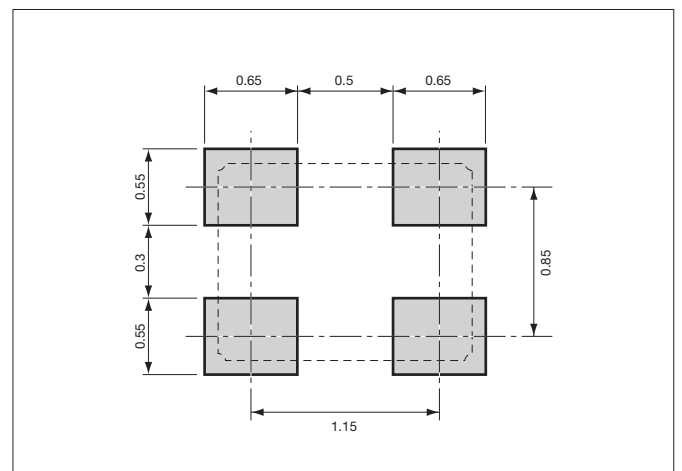
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



As of December 2019

