



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
- ⑤Operating Temp. Range
- ⑥Frequency Temp. Stability
- ⑦Individual Specification (STD Specification is "CC".)

ⓑ0 6 pF ⓑG ±15×10<sup>-6</sup>  
ⓓ0 8 pF

ⓔJ -10 to +70°C ±15×10<sup>-6</sup>

**Specifications**

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f <sub>nom</sub>	26000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Tolerance	f <sub>tol</sub>	±15	×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>	-10 to +70	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

**Table 1 Motional Series Resistance**

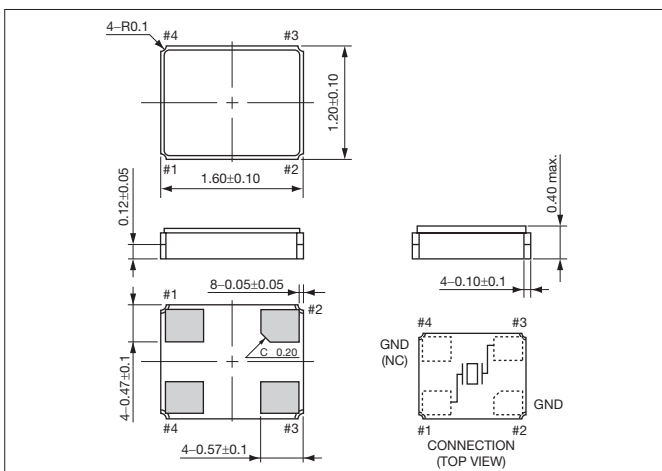
Frequency Range	Motional Series Resistance
26000≤f <sub>nom</sub> <37400kHz	150 Ω max.
37400≤f <sub>nom</sub> <50000kHz	80 Ω max.
50000≤f <sub>nom</sub> ≤60000kHz	50 Ω max.

**Table 2 Level of Drive**

Frequency Range	Level of Drive
26000≤f <sub>nom</sub> ≤60000kHz	10μW (100μW max.)

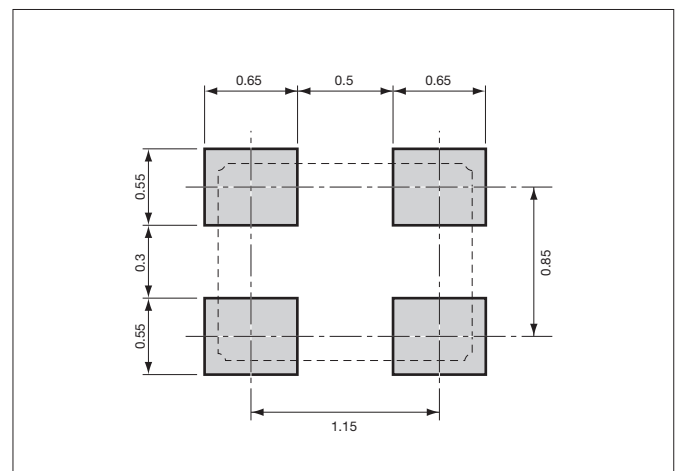
**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)



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