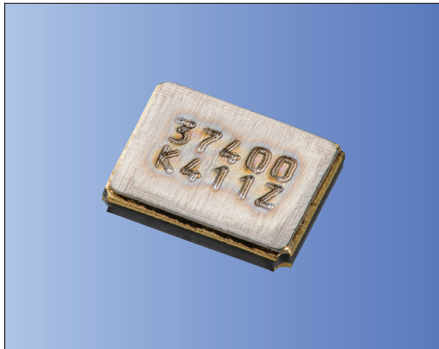




1.6×1.2mm for Consumer Products



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

③Load Capacitance

B0	6 pF
D0	8 pF

②Frequency

④Frequency Tolerance

G	$\pm 15 \times 10^{-6}$
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⑤Operating Temp. Range ⑥Frequency Temp. Stability

EJ	-10 to +70°C	$\pm 15 \times 10^{-6}$
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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	$\times 10^{-6}$	25°C $\pm$ 3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μ W	
Operating Temp. Range	T_{use}	-10 to +70	°C	
Storage Temp. Range	T_{stg}	-40 to +85	°C	
Frequency Temp. Characteristics	f_{tem}	± 15	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table 1 Motional Series Resistance

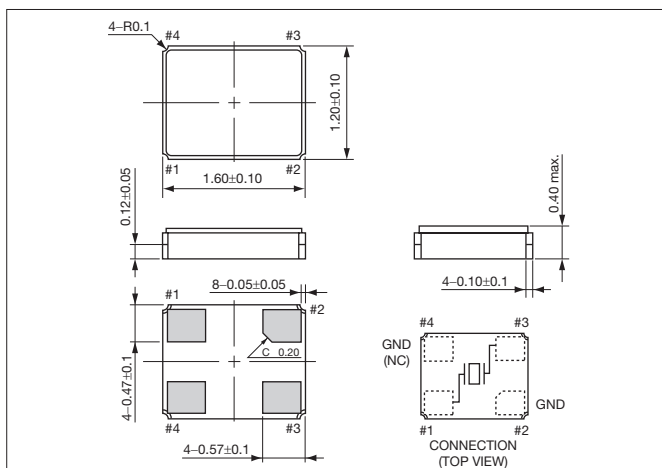
Frequency Range	Motional Series Resistance
$26000 \leq f_{nom} < 37400$ kHz	150 Ω max.
$37400 \leq f_{nom} < 50000$ kHz	80 Ω max.
$50000 \leq f_{nom} \leq 60000$ kHz	50 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
$26000 \leq f_{nom} \leq 60000$ kHz	10 μ W (100 μ W max.)

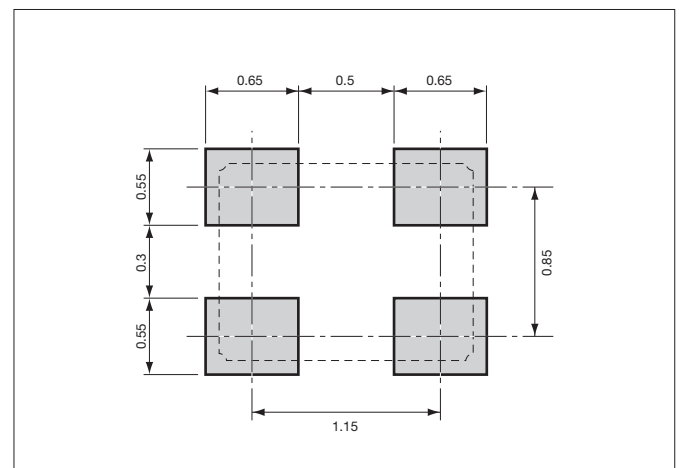
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



As of December 2019

