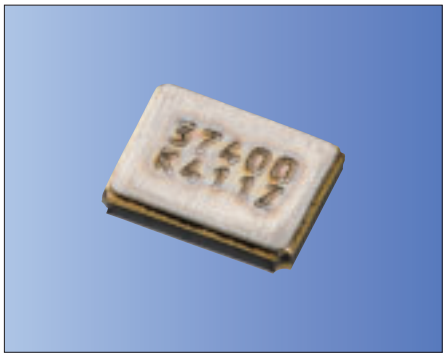
Crystal Units
Surface Mount Type CX1612DB

KYOCERA

1.6×1.2mm for Mobile Communications



RoHS Compliant

Features

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- Ultra-miniature and low profile

Applications

- Mobile Communications, Bluetooth®, Wireless LAN

* Bluetooth® Trademarks are owned by Bluetooth SIG Inc.

How to Order

CX1612DB 37400 □□ □ □ □ CC

① ② ③ ④ ⑤ ⑥ ⑦

① Series
② Frequency
③ Load Capacitance

B0	6 pF
D0	8 pF

④ Frequency Tolerance

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
(STD Specification is "CC")

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

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	37400 to 60000	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 +85	°C	
Frequency Temp. Characteristics	f_{tem}	±15	$\times10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

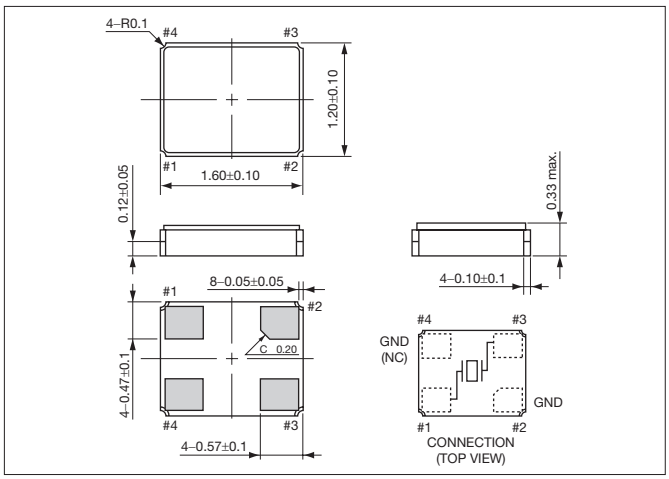
Frequency Range	Motional Series Resistance
37400≤f_{nom}<50000kHz	80Ω max.
50000≤f_{nom}≤60000kHz	50Ω max.

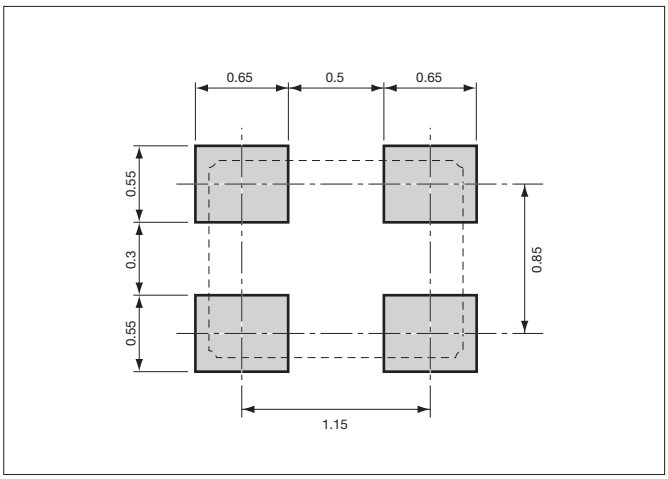
Table2 Level of Drive

Frequency Range	Level of Drive
37400≤f_{nom}≤60000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)