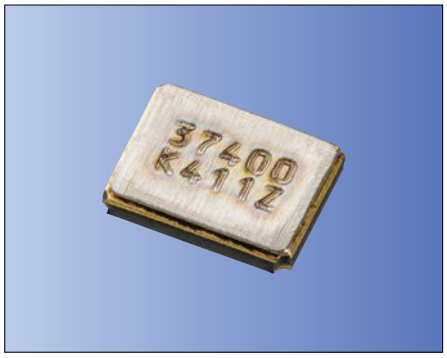
Crystal Units
Surface Mount Type CX1612DB

KYOCERA

1.6×1.2mm for Consumer Products



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- 1seg. tuner

How to Order

CX1612DB 36000 □□ □ □ □ □□
① ② ③ ④ ⑤ ⑥ ⑦

① Series ② Frequency
③ Load Capacitance ④ Frequency Tolerance

B0	6 pF
D0	8 pF

G	±15×10^{-6}

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EJ	−10 to +70°C	±15×10^{-6}

⑦ Individual Specification

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

Specifications

Item	Symbol	Specification	Units	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.

Table1 Motional Series Resistance

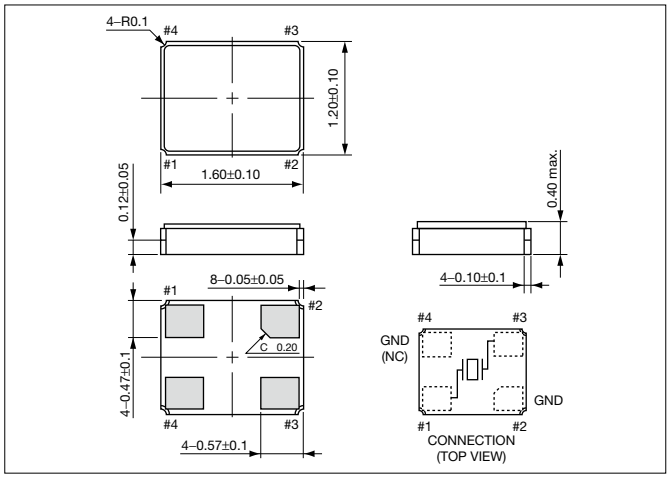
Frequency Range	Motional Series Resistance
26000≤f_{nom}<37400kHz	150Ω max.
37400≤f_{nom}<50000kHz	80Ω max.
50000≤f_{nom}≤60000kHz	50Ω max.

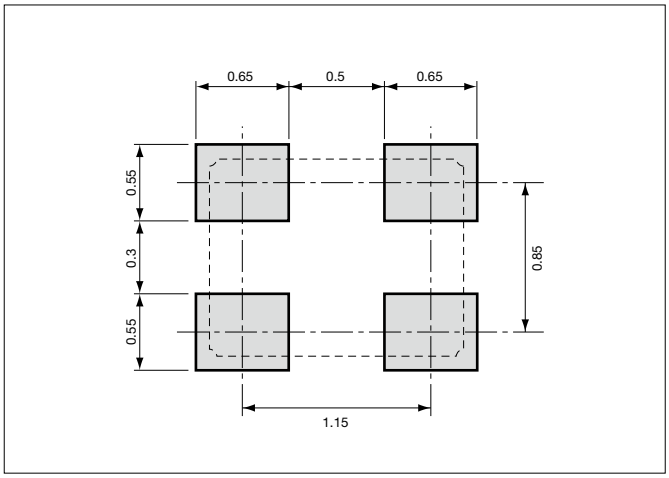
Table2 Level of Drive

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

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)