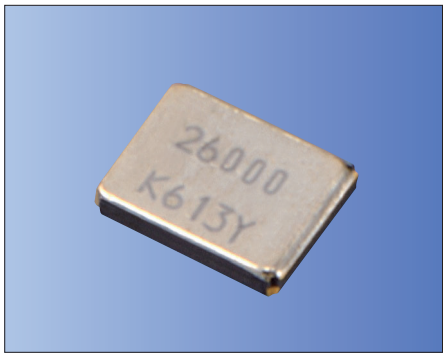
KYOCERA

2.0×1.6mm for Consumer Products/ Mobile Communications



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.0×1.6×0.40mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- Mobile Communications, Bluetooth®, Wireless LAN

* Bluetooth® Trademarks are owned by Bluetooth SIG, Inc.

How to Order

CX2016DB 27000 D0 G □ J CC
① ② ③ ④ ⑤ ⑥ ⑦

①Series
②Frequency
③Load Capacitance

D0	8 pF

④Frequency Tolerance

G	±15×10⁻⁶

⑤Operating Temp. Range ⑥Frequency Temp. Stability

EJ	−10 to +70°C	±15×10⁻⁶
LN	−30 to +85°C	±25×10⁻⁶

⑦Individual Specification
(STD Specification is "CC".)

Packaging (Tape & Reel 1000/ 3000/ 15000 pcs./ reel)

Specifications

Item	Symbol	Specification		Unit	Remarks
Frequency Range	f_{nom}	16000 to 60000		kHz	
Overtone Order	OT	Fundamental		—	
Load Capacitance	CL	8		pF	Please contact us for other CL requirements.
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	−30 to +85	°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

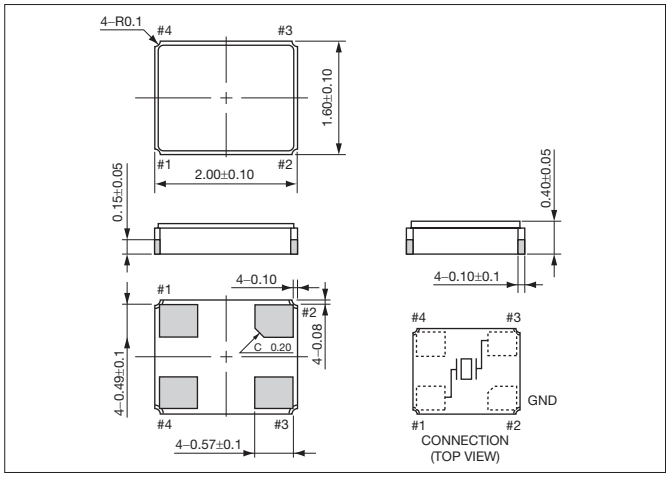
Frequency Range	Motional Series Resistance
16000≤f_{nom}<18000kHz	200 Ω max.
18000≤f_{nom}<26000kHz	150 Ω max.
26000≤f_{nom}<40000kHz	60 Ω max.
40000≤f_{nom}≤60000kHz	50 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
16000≤f_{nom}≤60000kHz	10μW (100μW max.)

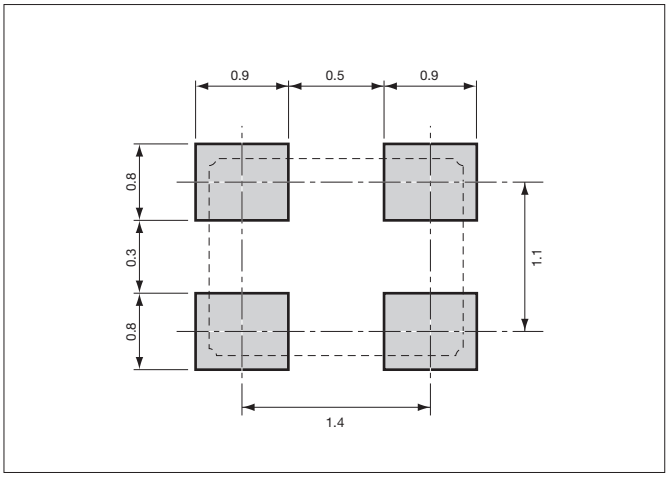
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



As of December 2019