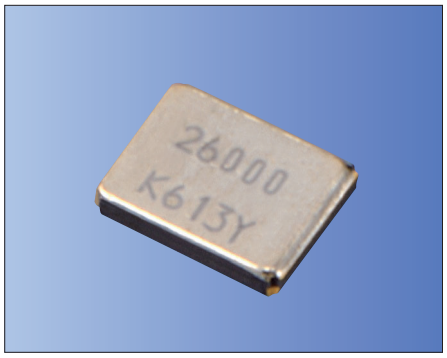
KYOCERA

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

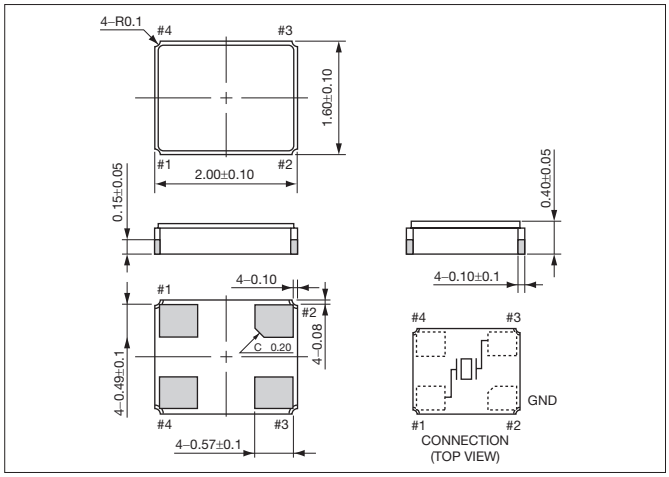
Frequency Range	Motional Series Resistance
16000≤f_{nom}<18000kHz	200 Ω max.
18000≤f_{nom}<26000kHz	150 Ω max.
26000≤f_{nom}<40000kHz	60 Ω max.
40000≤f_{nom}≤60000kHz	50 Ω max.

Table 2 Level of Drive

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

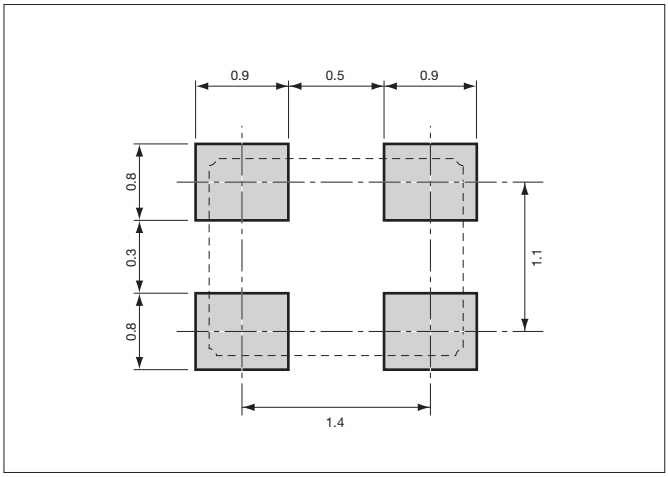
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



As of December 2019

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Kyocera:

CX2016DB26000D0FLJZ1 CX2016DB32000D0FLJZ1 CX2016DB38400D0FLJZ1 CX2016DB40000D0FLJZ1 CX2016DB40000D0FLJCC CX2016DB32000D0FLJCC CX2016DB26000D0FLJCC CX2016DB38400D0FLJCC CX2016DB16000D0FLJCC CX2016DB20000D0FLJCC CX2016DB27000H0FLFC1 CX2016DB48000C0WLLA1 CX2016DB30000D0FLJC1 CX2016DB16000D0GPSC1 CX2016DB26000D0GPSC1 CX2016DB19200D0GPSC1 CX2016DB24000D0GPSC2 CX2016DB38400D0FLJC2 CX2016DB32000D0GPSC1 CX2016DB25000D0FLJC2 CX2016DB25000D0GPSC1 CX2016DB40000D0GPSC1 CX2016DB48000D0FLJC1 CX2016DB27000D0FLJC1 CX2016DB26000D0FLJC4 CX2016DB30000D0GPSC1 CX2016DB24576D0FLJC1 CX2016DB27000D0GPSC1 CX2016DB48000D0GPSC1 CX2016DB38400D0GPSC1 CX2016DB19200D0FLJC1 CX2016DB24000D0FLJC6 CX2016DB20000D0GPSC1 CX2016DB24576D0GPSC1 CX2016DB40000F0GFJCC CX2016DB26000F0GFJCC CX2016DB25000F0HPLCC CX2016DB32000F0FPLCC CX2016DB32000H0FGFCC CX2016DB16000F0FDFC2 CX2016DB48000C0FPLC1 CX2016DB38400F0FSRC1 CX2016DB16000D0FLNCC CX2016DB16000D0GLNCC CX2016DB16000D0JLNCC CX2016DB16000H0FLNC1 CX2016DB38400C0WPLA2 CX2016DB16000D0GPNCC CX2016DB24000D0PESCC CX2016DB25000H0FLJCC CX2016DB26000D5FLJCC CX2016DB40000H0DZGC1 CX2016DB40000H0WZKC3