

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 ☐ ☐ ☐ ☐ ☐ ☐

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series
 ② Frequency
 ③ Load Capacitance ④ Frequency Tolerance
D0 8 pF **G** $\pm 15 \times 10^{-6}$
 ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
EJ -10 to +70°C $\pm 15 \times 10^{-6}$
LJ -30 to +85°C $\pm 15 \times 10^{-6}$
 ⑦ Individual Specification

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

Specifications

Item	Symbol	Specification		Units	Remarks
Frequency Range	f _{nom}	16000 to 60000		kHz	
Overtone Order	OT	Fundamental		—	
Load Capacitance	CL	8		pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f _{tol}	±15		$\times 10^{-6}$	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		$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

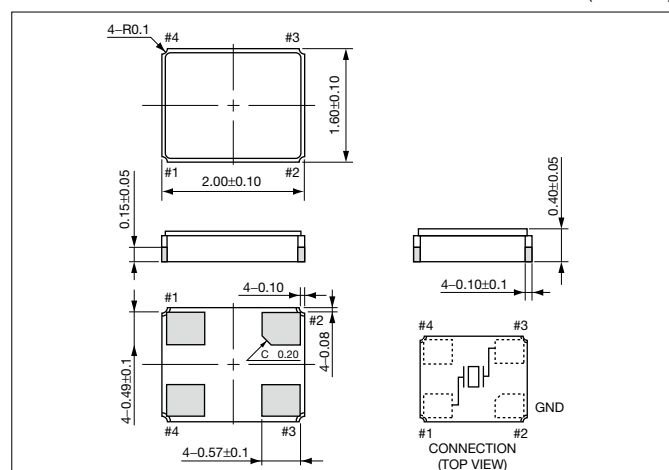
Frequency Range	Motional Series Resistance
16000≤f _{nom} <18000kHz	200Ω max.
18000≤f _{nom} <26000kHz	150Ω max.
26000≤f _{nom} <40000kHz	60Ω max.
40000≤f _{nom} ≤60000kHz	50Ω max.

Table2 Level of Drive

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

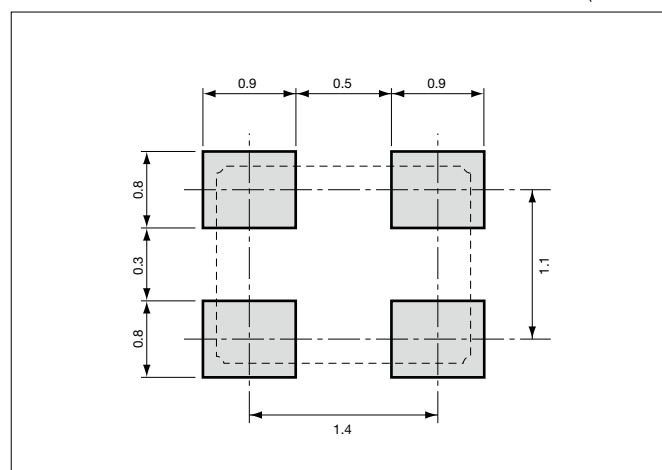
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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Kyocera AVX:

<u>CX2016DB26000D0FLJZ1</u>	<u>CX2016DB32000D0FLJZ1</u>	<u>CX2016DB38400D0FLJZ1</u>	<u>CX2016DB40000D0FLJZ1</u>
<u>CX2016DB40000D0FLJCC</u>	<u>CX2016DB32000D0FLJCC</u>	<u>CX2016DB26000D0FLJCC</u>	<u>CX2016DB38400D0FLJCC</u>
<u>CX2016DB16000D0FLJCC</u>	<u>CX2016DB20000D0FLJCC</u>	<u>CX2016DB27000H0FLFC1</u>	<u>CX2016DB48000C0WPLA2</u>
<u>CX2016DB32000D0WZRC1</u>	<u>CX2016DB16000D0WZRC1</u>	<u>CX2016DB48000E0DZZA1</u>	<u>CX2016DB48000C0FLHA1</u>
<u>CX2016DB30000D0FLJC1</u>	<u>CX2016DB16000D0GPSC1</u>	<u>CX2016DB26000D0GPSC1</u>	<u>CX2016DB19200D0GPSC1</u>
<u>CX2016DB24000D0GPSC2</u>	<u>CX2016DB38400D0FLJC2</u>	<u>CX2016DB32000D0GPSC1</u>	<u>CX2016DB25000D0FLJC2</u>
<u>CX2016DB25000D0GPSC1</u>	<u>CX2016DB40000D0GPSC1</u>	<u>CX2016DB48000D0FLJC1</u>	<u>CX2016DB27000D0FLJC1</u>
<u>CX2016DB26000D0FLJC4</u>	<u>CX2016DB30000D0GPSC1</u>	<u>CX2016DB24576D0FLJC1</u>	<u>CX2016DB27000D0GPSC1</u>
<u>CX2016DB48000D0GPSC1</u>	<u>CX2016DB38400D0GPSC1</u>	<u>CX2016DB19200D0FLJC1</u>	<u>CX2016DB24000D0FLJC6</u>
<u>CX2016DB20000D0GPSC1</u>	<u>CX2016DB24576D0GPSC1</u>	<u>CX2016DB24000C0WZRA2</u>	<u>CX2016DB24000F0HPLCC</u>
<u>CX2016DB40000F0GFJCC</u>	<u>CX2016DB26000F0GFJCC</u>	<u>CX2016DB25000F0HPLCC</u>	<u>CX2016DB32000F0FPLCC</u>
<u>CX2016DB24000H0FGFCC</u>	<u>CX2016DB32000H0FGFCC</u>	<u>CX2016DB26000E0FGFCC</u>	<u>CX2016DB40000F0FGFCC</u>
<u>CX2016DB16000F0FDFC2</u>	<u>CX2016DB48000C0FPLC1</u>	<u>CX2016DB38400F0FSRC1</u>	<u>CX2016DB16000D0FLNCC</u>
<u>CX2016DB16000D0GLNCC</u>	<u>CX2016DB16000D0JLNCC</u>	<u>CX2016DB16000H0FLNC1</u>	<u>CX2016DB38400C0WPLA2</u>
<u>CX2016DB16000D0GPNCC</u>	<u>CX2016DB24000D0PESCC</u>	<u>CX2016DB25000H0FLJCC</u>	<u>CX2016DB26000D5FLJCC</u>
<u>CX2016DB40000H0DZGC1</u>	<u>CX2016DB40000H0WZKC3</u>		