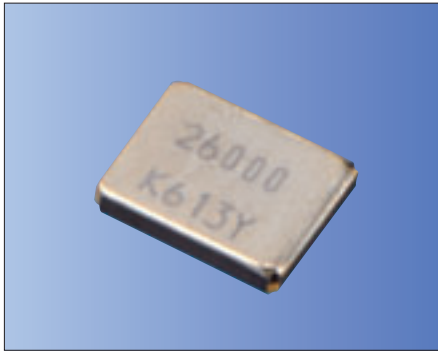


2.0×1.6mm for Consumer Products/ Mobile Communications



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

- ① Series
- ② Frequency
- ③ Load Capacitance ④ Frequency Tolerance
- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
- ⑦ Individual Specification (STD Specification is "CC")

D0	8 pF	G	±15×10 ⁻⁶
EJ	-10 to +70°C		±15×10 ⁻⁶
LJ	-30 to +85°C		±15×10 ⁻⁶

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	×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	-30 to +85
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

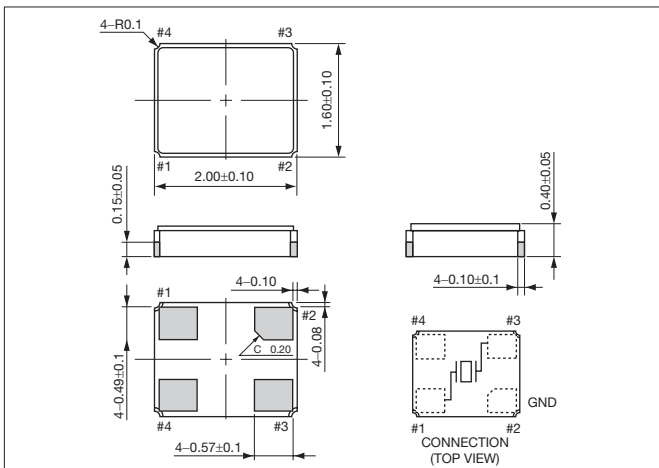
Frequency Range	Motional Series Resistance
16000 ≤ f _{nom} < 18000kHz	200Ω max.
18000 ≤ f _{nom} < 26000kHz	150Ω max.
26000 ≤ f _{nom} < 40000kHz	60Ω max.
40000 ≤ f _{nom} ≤ 60000kHz	50Ω max.

Table2 Level of Drive

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

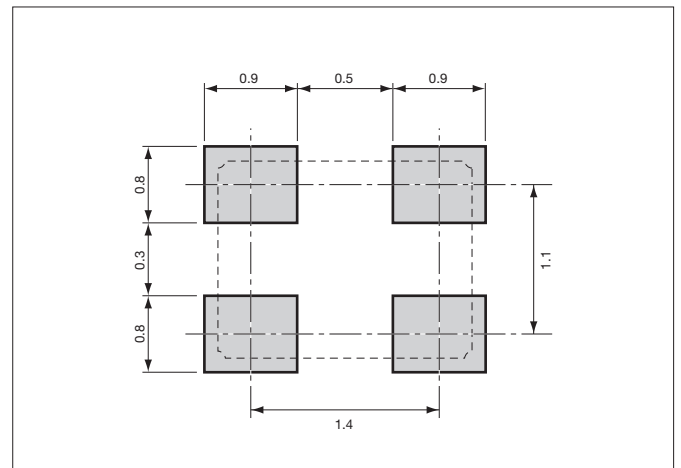
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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AVX:

[CX2016DB24000D0GEJZ1](#) [CX2016DB24576D0GEJZ1](#) [CX2016DB24576D0GEJCC](#) [CX2016DB24000D0GEJCC](#)
[CX2016DB24000C0WPRC1](#) [CX2016DB32000H0WRRC1](#)

Kyocera:

[CX2016DB27000D0GEJZ1](#) [CX2016DB27000D0GEJCC](#) [CX2016DB48000C0WPLA2](#) [CX2016DB32000D0WZRC1](#)
[CX2016DB16000D0WZRC1](#) [CX2016DB16000D0GEJCC](#) [CX2016DB32000H0FLJC1](#) [CX2016DB25000H0FLJC1](#)
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[CX2016DB48000H0FLJC1](#) [CX2016DB26000H0FLJC2](#) [CX2016DB20000H0FLJC1](#) [CX2016DB27000H0FLJC1](#)
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[CX2016DB24000F0HPLCC](#) [CX2016DB24000H0FGFCC](#) [CX2016DB26000E0FGFCC](#) [CX2016DB40000F0FGFCC](#)
[CX2016DB16000D0WRZC1](#) [CX2016DB16000D0GLJCC](#) [CX2016DB38400F0FSRC1](#)