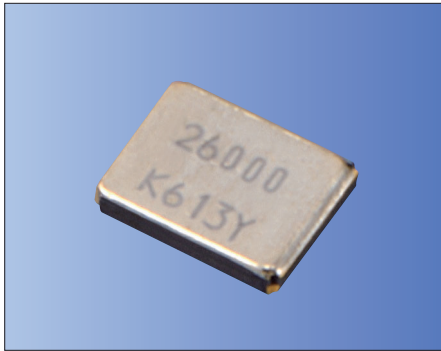




2.0×1.6mm for Consumer Products/ Mobile Communications



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	<u>D0</u> 8 pF	④Frequency Tolerance
		<u>G</u> ±15×10 ⁻⁶
⑤Operating Temp. Range	⑥Frequency Temp. Stability	
<u>EJ</u> -10 to +70°C	±15×10 ⁻⁶	
<u>LN</u> -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	°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.

Table 1 Motional Series Resistance

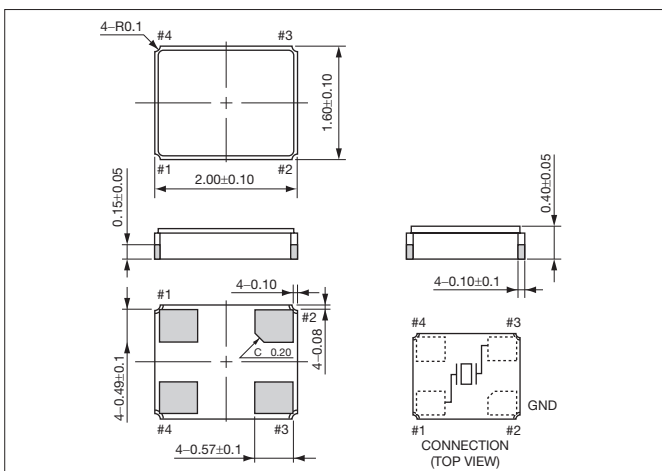
Frequency Range	Motional Series Resistance
16000≤f _{nom} <18000kHz	200 Ω max.
18000≤f _{nom} <26000kHz	150 Ω max.
26000≤f _{nom} <40000kHz	60 Ω max.
40000≤f _{nom} ≤60000kHz	50 Ω max.

Table 2 Level of Drive

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

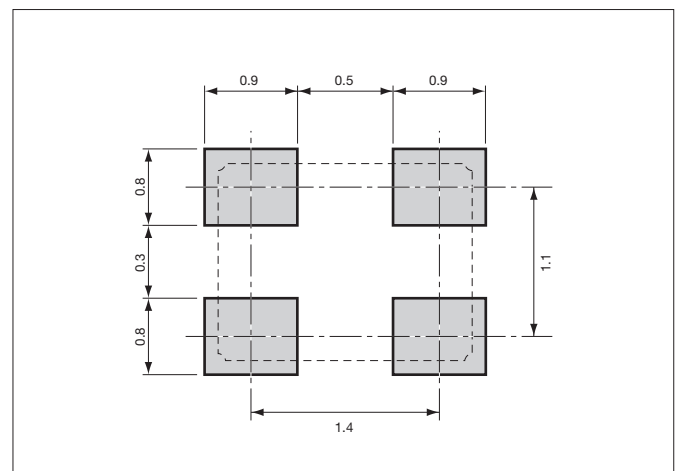
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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Kyocera:

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[CX2016DB40000D0FLJCC](#) [CX2016DB32000D0FLJCC](#) [CX2016DB26000D0FLJCC](#) [CX2016DB38400D0FLJCC](#)
[CX2016DB16000D0FLJCC](#) [CX2016DB20000D0FLJCC](#) [CX2016DB27000H0FLFC1](#) [CX2016DB48000C0WLLA1](#)
[CX2016DB30000D0FLJC1](#) [CX2016DB16000D0GPSC1](#) [CX2016DB26000D0GPSC1](#) [CX2016DB19200D0GPSC1](#)
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[CX2016DB48000D0GPSC1](#) [CX2016DB38400D0GPSC1](#) [CX2016DB19200D0FLJC1](#) [CX2016DB24000D0FLJC6](#)
[CX2016DB20000D0GPSC1](#) [CX2016DB24576D0GPSC1](#) [CX2016DB40000F0GFJCC](#) [CX2016DB26000F0GFJCC](#)
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[CX2016DB48000C0FPLC1](#) [CX2016DB38400F0FSRC1](#) [CX2016DB16000D0FLNCC](#) [CX2016DB16000D0GLNCC](#)
[CX2016DB16000D0JLNCC](#) [CX2016DB16000H0FLNC1](#) [CX2016DB38400C0WPLA2](#)