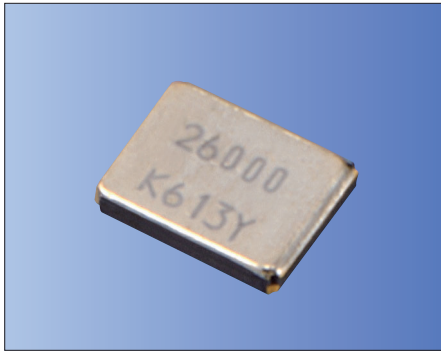




2.0×1.6mm for Consumer Products/ Mobile Communications



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	8 pF	④Frequency Tolerance
		±15×10 <sup>-6</sup>
⑤Operating Temp. Range	⑥Frequency Temp. Stability	
EJ	-10 to +70°C	±15×10 <sup>-6</sup>
LN	-30 to +85°C	±25×10 <sup>-6</sup>

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

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

**Specifications**

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f <sub>nom</sub>	16000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f <sub>tol</sub>	±15	×10 <sup>-6</sup>	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T <sub>use</sub>	-10 to +70	°C	
		-30 to +85		
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

**Table 1 Motional Series Resistance**

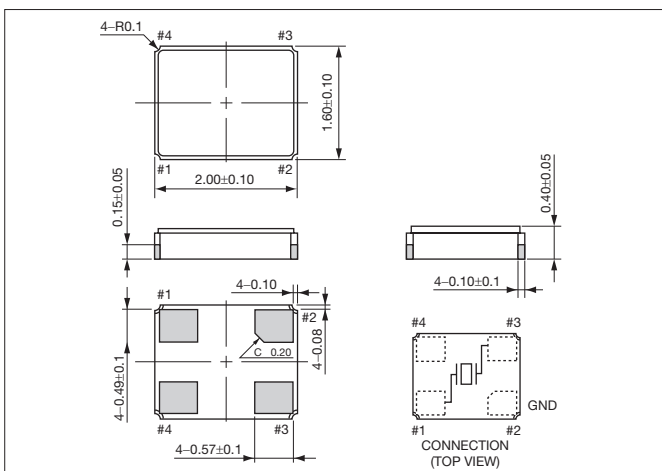
Frequency Range	Motional Series Resistance
16000≤f <sub>nom</sub> <18000kHz	200 Ω max.
18000≤f <sub>nom</sub> <26000kHz	150 Ω max.
26000≤f <sub>nom</sub> <40000kHz	60 Ω max.
40000≤f <sub>nom</sub> ≤60000kHz	50 Ω max.

**Table 2 Level of Drive**

Frequency Range	Level of Drive
16000≤f <sub>nom</sub> ≤60000kHz	10μW (100μW max.)

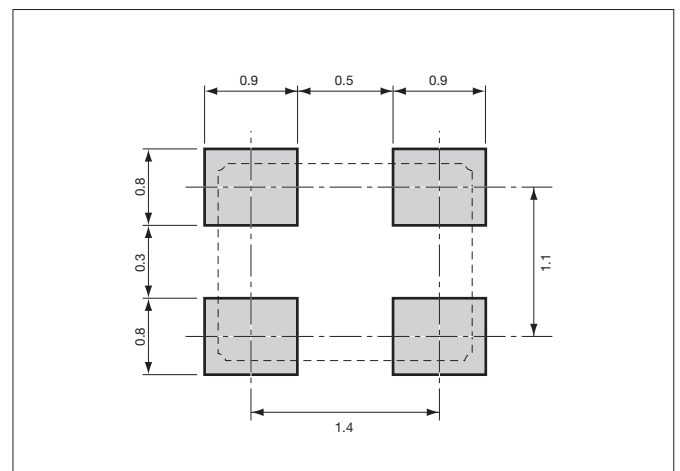
**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)



# Mouser Electronics

Authorized Distributor

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## AVX:

[CX2016DB24000C0WPRC1](#) [CX2016DB32000H0WRRC1](#)

## Kyocera:

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[CX2016DB27000D0GEJCC](#) [CX2016DB24000D0GEJCC](#) [CX2016DB48000C0WPLA2](#) [CX2016DB32000D0WZRC1](#)  
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