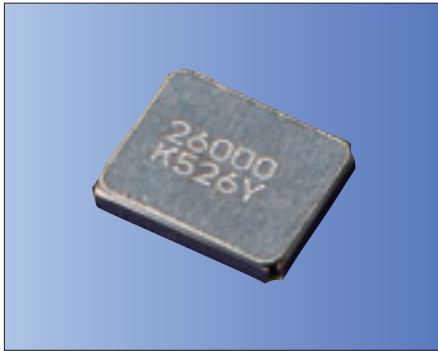


2.5×2.0mm for Consumer Products/ Mobile Communications



RoHS Compliant

**Features**

- Crystal unit for Consumer Products
- 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**

**CX2520DB 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")

<b>D0</b>	8 pF	<b>G</b>	±15×10 <sup>-6</sup>
<b>EJ</b>	-10 to +70°C		±15×10 <sup>-6</sup>
<b>LJ</b>	-30 to +85°C		±15×10 <sup>-6</sup>

Packaging (Tape & Reel 1000/ 3000/ 12000 pcs./ reel)

**Specifications**

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	12000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other Load Capacitance.
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	-30 to +85	°C
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.

**Table1 Motional Series Resistance**

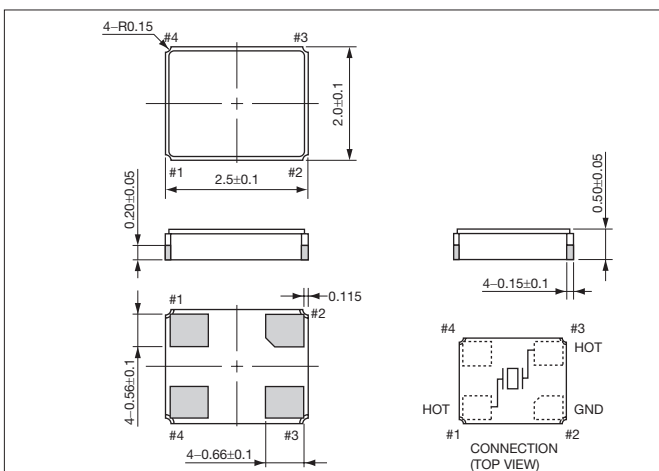
Frequency Range	Motional Series Resistance
12000 ≤ f <sub>nom</sub> < 16000kHz	150Ω max.
16000 ≤ f <sub>nom</sub> < 26000kHz	80Ω max.
26000 ≤ f <sub>nom</sub> < 30000kHz	60Ω max.
30000 ≤ f <sub>nom</sub> ≤ 54000kHz	50Ω max.

**Table2 Level of Drive**

Frequency Range	Level of Drive
12000 ≤ f <sub>nom</sub> ≤ 54000kHz	10μW (100μW max.)

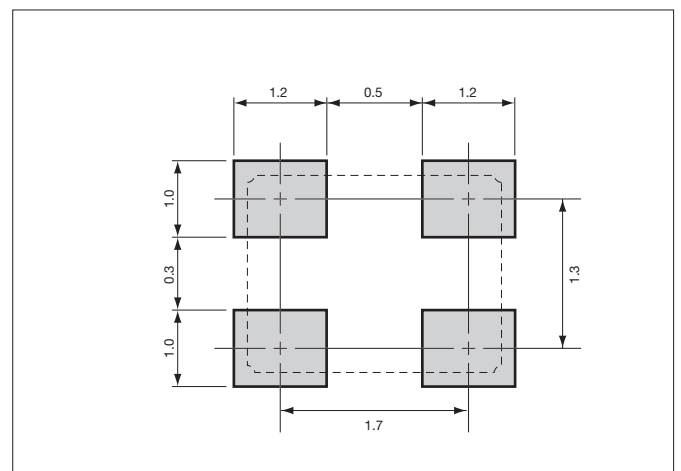
**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)



# Mouser Electronics

Authorized Distributor

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## Kyocera:

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[CX2520DB24576D0GEJZ1](#) [CX2520DB27000B0FLHA1](#) [CX2520DB27000H0KLSA1](#) [CX2520DB30000D0GEJZ1](#)  
[CX2520DB32000D0FLJZ1](#) [CX2520DB32000D0GEJZ1](#) [CX2520DB40000D0FLJZ1](#) [CX2520DB48000D0GEJZ1](#)  
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