

2.5×2.0mm for Consumer Products/ Mobile Communications/ Automotive



RoHS Compliant

### Features

- Crystal unit for Consumer Products
- Ceramic package
- Reflow compatible
- AEC-Q200 qualified  
(Please contact us for Automotive use)

### Applications

- Digital Electronics
- Consumer Products
- Mobile Communications, Bluetooth®, Wireless LAN
- Car Electronics

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### How to Order

CX2520DB 27000

- ① Series  
② Frequency  
③ Load Capacitance ④ Frequency Tolerance  
⑤ Operating Temp. Range ⑥ Frequency Temp. Stability  
⑦ Individual Specification

<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>
<b>SS</b>	-40 to +125°C		±50×10 <sup>-6</sup>

Packaging (Tape & Reel 1000/ 3000 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	-40 to +125	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85		-40 to +125	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15		±50	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

### Table1 Motional Series Resistance

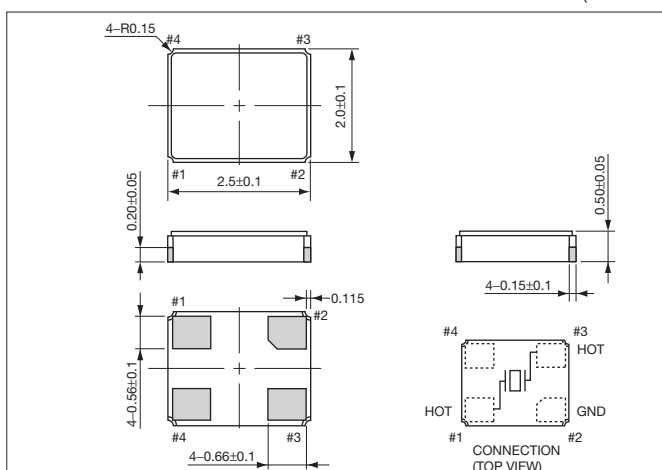
Frequency Range	Motional Series Resistance
12000≤f <sub>nom</sub> <16000kHz	150Ω max.
16000≤f <sub>nom</sub> <26000kHz	80Ω max.
26000≤f <sub>nom</sub> <30000kHz	60Ω max.
30000≤f <sub>nom</sub> ≤54000kHz	50Ω max.

### Table2 Level of Drive

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

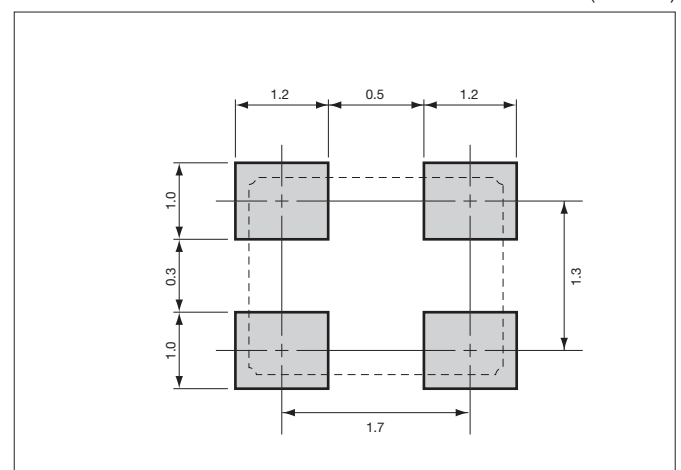
### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)



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Largest Supplier of Electrical and Electronic Components

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