



## 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

D0 8 pF G  $\pm 15 \times 10^{-6}$

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EJ -10 to +70°C  $\pm 15 \times 10^{-6}$   
LN -30 to +85°C  $\pm 25 \times 10^{-6}$

⑦ Individual Specification  
(STD Specification is "CC")

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 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	-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.

Table 1 Motional Series Resistance

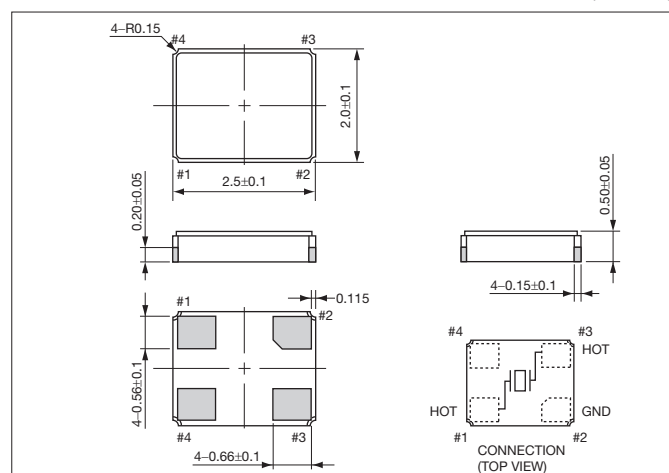
Frequency Range	Motional Series Resistance
12000≤f <sub>nom</sub> <16000kHz	150Ω max.
16000≤f <sub>nom</sub> <26000kHz	80Ω max.
26000≤f <sub>nom</sub> <30000kHz	60Ω max.
30000≤f <sub>nom</sub> ≤54000kHz	50Ω max.

Table 2 Level of Drive

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

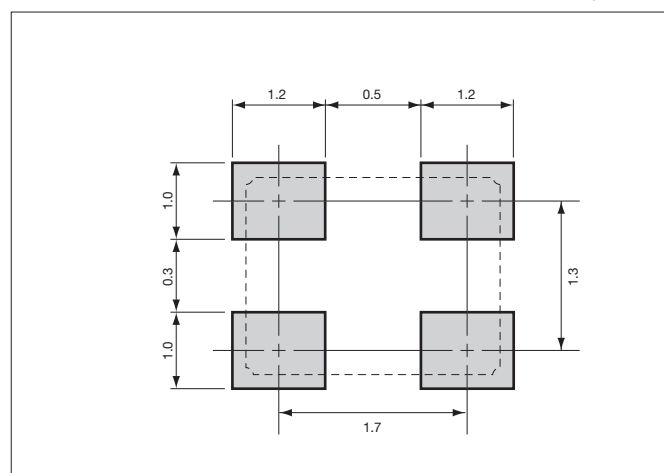
### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Kyocera:

[CX101F-040.000-H0445](#) [CX2520DB26000H0WPLC1](#) [CX2520DB40000H0WPLC1](#) [CX2520DB24576D0FLJC1](#)  
[CX2520DB30000D0GPSC1](#) [CX2520DB32000D0GPSC1](#) [CX2520DB38400D0GPSC1](#) [CX2520DB13560H0FLJC1](#)  
[CX2520DB16000H0FLJC1](#) [CX2520DB12000D0FLJC1](#) [CX2520DB26000H0FLJC2](#) [CX2520DB40000H0FLJC3](#)  
[CX2520DB19200D0GPSC1](#) [CX2520DB27000D0GPSC1](#) [CX2520DB12000D0GPSC1](#) [CX2520DB24000H0FLJC1](#)  
[CX2520DB25000D0FLJC1](#) [CX2520DB24000D0FLJCC](#) [CX2520DB24576D0GPSC1](#) [CX2520DB38400H0FLJC1](#)  
[CX2520DB16000D0GPSC1](#) [CX2520DB24000D0GPSC1](#) [CX2520DB27000D0FLJC1](#) [CX2520DB27000H0FLJC1](#)  
[CX2520DB26000D0GPSC1](#) [CX2520DB20000H0FLJC1](#) [CX2520DB19200H0FLJC1](#) [CX2520DB25000D0GPSC1](#)  
[CX2520DB30000D0FLJC1](#) [CX2520DB20000D0GPSC1](#) [CX2520DB24576H0FLJC1](#) [CX2520DB19200D0FLJC2](#)  
[CX2520DB48000D0FLJC2](#) [CX2520DB40000D0GPSC1](#) [CX2520DB30000H0FLJC1](#) [CX2520DB32000H0FLJC1](#)  
[CX2520DB48000H0FLJC1](#) [CX2520DB12000H0FLJC1](#) [CX2520DB13560D0FLJC2](#) [CX2520DB13560D0GPSC1](#)  
[CX2520DB25000H0FLJC1](#) [CX2520DB48000D0GPSC1](#) [CX2520DB32000H0WPRC1](#)