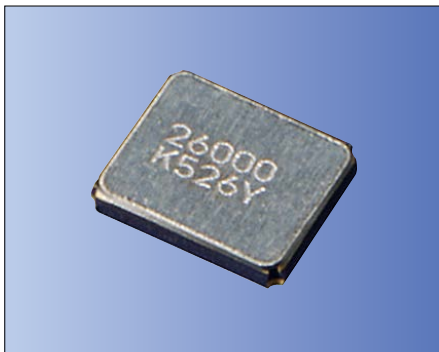


2.5×2.0mm for Consumer Products/ Mobile Communications



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

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series
 ② Frequency
 ③ Load Capacitance ④ Frequency Tolerance
D0 8 pF **G** ±15×10⁻⁶
 ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
EJ -10 to +70°C ±15×10⁻⁶
LJ -30 to +85°C ±15×10⁻⁶
 ⑦ Individual Specification

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

Specifications

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

Table1 Motional Series Resistance

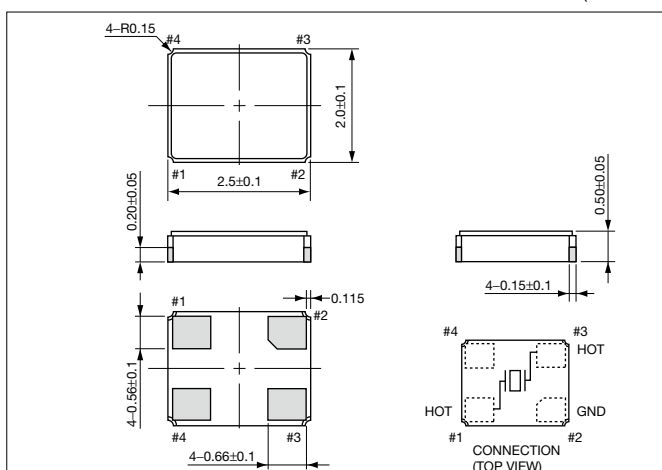
Frequency Range	Motional Series Resistance
12000 ≤ f _{nom} < 16000kHz	150Ω max.
16000 ≤ f _{nom} < 26000kHz	80Ω max.
26000 ≤ f _{nom} < 30000kHz	60Ω max.
30000 ≤ f _{nom} ≤ 54000kHz	50Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
12000 ≤ f _{nom} ≤ 54000kHz	10μW (100μW max.)

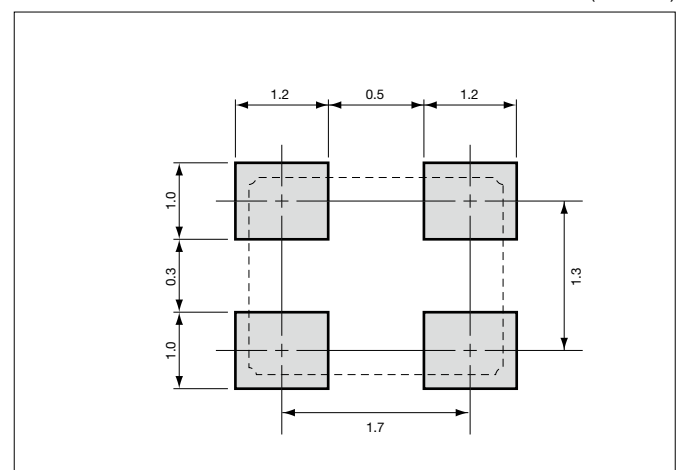
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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

AVX:

[CX2520DB16000D0FLJZ1](#) [CX2520DB16000D0GEJZ1](#) [CX2520DB20000D0FLJZ1](#) [CX2520DB24000D0GEJZ1](#)
[CX2520DB24576D0GEJZ1](#) [CX2520DB27000B0FLHA1](#) [CX2520DB27000H0KLSA1](#) [CX2520DB30000D0GEJZ1](#)
[CX2520DB32000D0FLJZ1](#) [CX2520DB32000D0GEJZ1](#) [CX2520DB40000D0FLJZ1](#) [CX2520DB48000D0GEJZ1](#)
[CX2520DB26000D0FLJZ1](#) [CX2520DB38400D0FLJZ1](#) [CX2520DB48000D0GEJCC](#) [CX2520DB16000D0GEJCC](#)
[CX2520DB26000D0FLJCC](#) [CX2520DB40000D0FLJCC](#) [CX2520DB38400D0FLJCC](#) [CX2520DB32000D0FLJCC](#)
[CX2520DB20000D0FLJCC](#) [CX2520DB24576D0GEJCC](#) [CX2520DB16000D0FLJCC](#) [CX2520DB30000D0GEJCC](#)
[CX2520DB24000D0GEJCC](#) [CX2520DB32000D0GEJCC](#) [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](#)
[CX2520DB16000E0FGHCC](#) [CX2520DB32000F0FPLCC](#) [CX2520DB25000F0FPLCC](#) [CX2520DB16000D0FFHCC](#)
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