

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

D0	8 pF	G	±15×10 ⁻⁶
EJ	-10 to +70°C		±15×10 ⁻⁶
LJ	-30 to +85°C		±15×10 ⁻⁶
PS	-40 to +125°C		±50×10 ⁻⁶

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

Please contact us for other specifications.

Table1 Motional Series Resistance

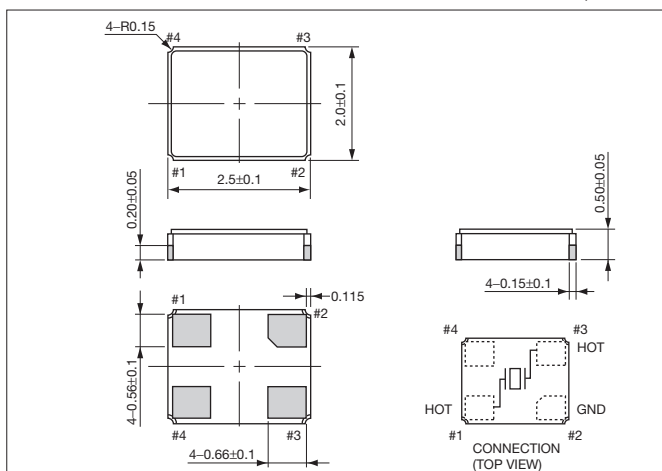
Frequency Range	Motional Series Resistance
12000≤f _{nom} <16000kHz	150Ω max.
16000≤f _{nom} <26000kHz	80Ω max.
26000≤f _{nom} <30000kHz	60Ω max.
30000≤f _{nom} ≤54000kHz	50Ω max.

Table2 Level of Drive

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

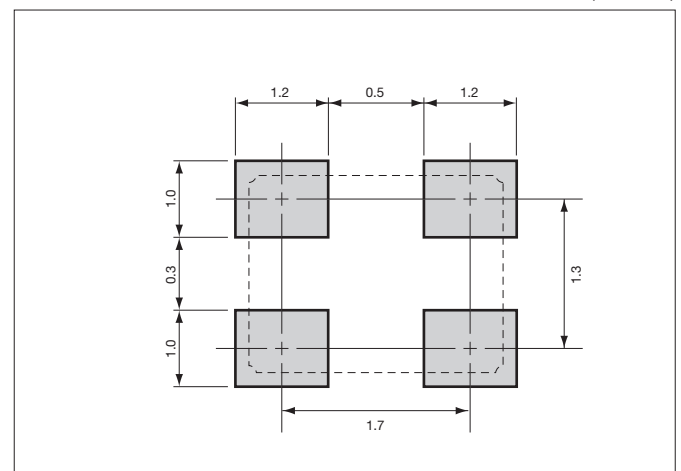
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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

[AVX:](#)

[CX2520SB40000H0WZK06](#) [CX2520SB40000H0DZF08](#) [CX2520SB38400D0FLJZZ](#) [CX2520SB25000H0FLJZZ](#)
[CX2520SB13560D0GEJZ1](#) [CX2520SB16000D0FLJZZ](#) [CX2520SB13560D0GEJCC](#)