

3.2×2.5mm for Consumer Products/ Mobile Communications



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Miniature and low profile (3.2×2.5×0.55mm)
- 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

CX3225SB 12000 ☐ ☐ ☐ ☐ ☐ ☐ ☐

- 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

Packaging (Tape & Reel 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	°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

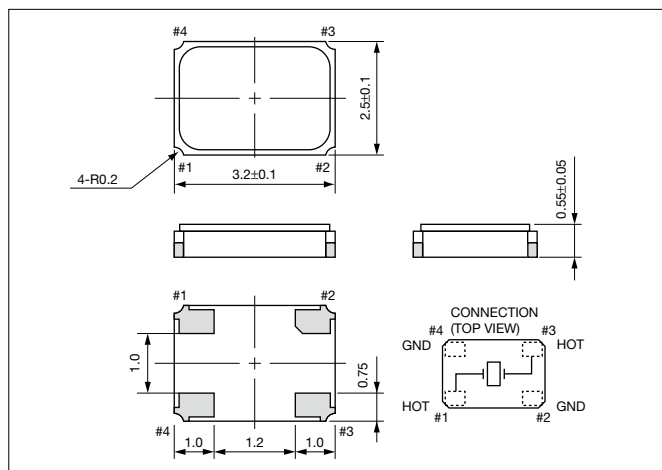
Frequency Range	Motional Series Resistance
12000≤f _{nom} <13000kHz	150Ω max.
13000≤f _{nom} <20000kHz	80Ω max.
20000≤f _{nom} ≤54000kHz	50Ω max.

Table2 Level of Drive

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

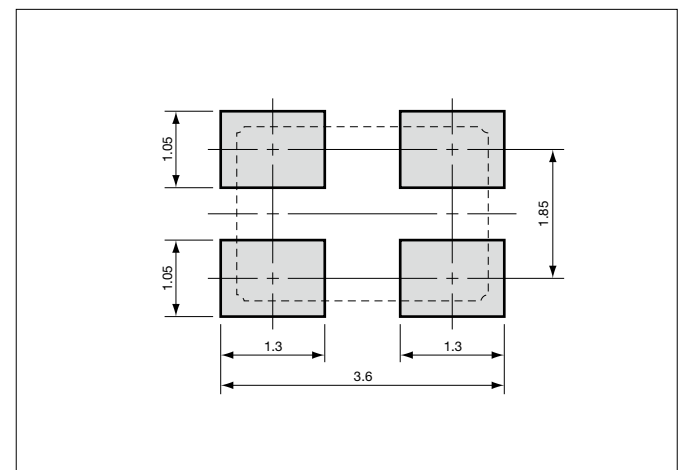
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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

AVX:

<u>CX3225SB24576D0FEQZZ</u>	<u>CX3225SB27000D0FEJZZ</u>	<u>CX3225SB16000E0FPZ25</u>	<u>CX3225SB-16.00-H2950</u>
<u>CX3225SB-26.00-H2827</u>	<u>CX3225SB24576H0KESZZ</u>	<u>CX3225SB2000D0FPLCC</u>	<u>CX3225SB25000D0FPLCC</u>
<u>CX3225SB40000D0FPLCC</u>	<u>CX3225SB38400D0FPLCC</u>	<u>CX3225SB40000D0FFFCC</u>	<u>CX3225SB16000D0FPLCC</u>
<u>CX3225SB12000D0FFJCC</u>	<u>CX3225SB13560D0FPLCC</u>	<u>CX3225SB16000D0FFJCC</u>	<u>CX3225SB19200D0FPLCC</u>
<u>CX3225SB48000D0FFFCC</u>	<u>CX3225SB30000D0FPLCC</u>	<u>CX3225SB12000D0FPNCC</u>	<u>CX3225SB24000D0FFJCC</u>
<u>CX3225SB48000D0FPLCC</u>	<u>CX3225SB24000D0FPLCC</u>	<u>CX3225SB27000D0FFFCC</u>	<u>CX3225SB38400D0FFFCC</u>
<u>CX3225SB32000D0FFFCC</u>	<u>CX3225SB26000D0FFFCC</u>	<u>CX3225SB25000D0FFFCC</u>	<u>CX3225SB20000D0FPLCC</u>
<u>CX3225SB48000D0FPJC1</u>	<u>CX3225SB54000D0WPSC1</u>	<u>CX3225SB48000D0WPSC1</u>	