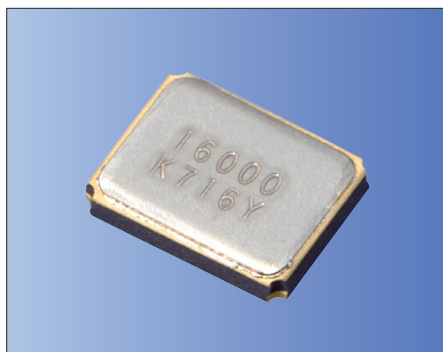


## 3.2x2.5mm for Consumer Products/ Mobile Communications



**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   D0   G   □   J   CC  
①                      ②                      ③                      ④                      ⑤                      ⑥                      ⑦

①Series

②Frequency

### ③Load Capacitance

#### ④Frequency Tolerance

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

⑤Operating Temp. Range ⑥Frequency Temp. Stability

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

⑦Individual Specification  
(STD Specification is "CC".)

Packaging (Tape &amp; Reel 3000 pcs./ reel)

## Specifications

Item	Symbol	Specification		Unit	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

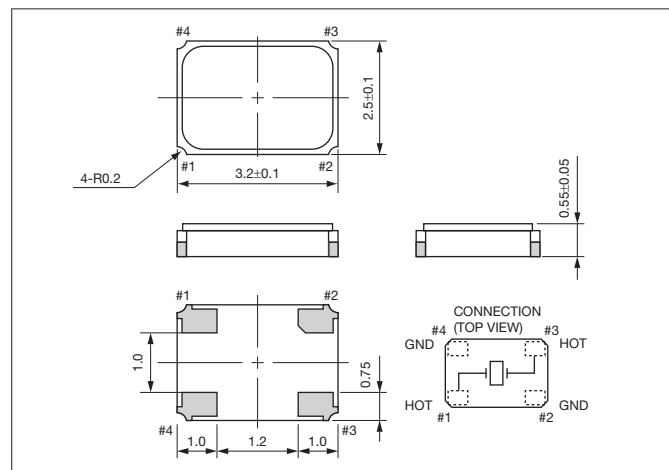
Frequency Range	Motional Series Resistance
$12000 \leq f_{\text{nom}} < 13000 \text{ kHz}$	150 $\Omega$ max.
$13000 \leq f_{\text{nom}} < 20000 \text{ kHz}$	80 $\Omega$ max.
$20000 \leq f_{\text{nom}} \leq 54000 \text{ kHz}$	50 $\Omega$ max.

Table 2 Level of Drive

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

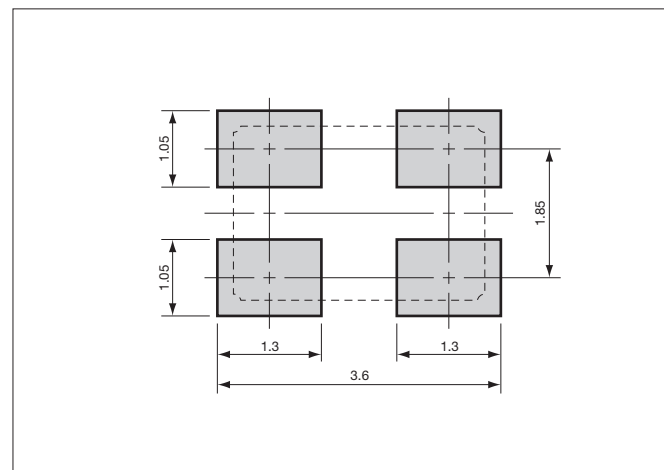
## Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)



# Mouser Electronics

Authorized Distributor

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

## Kyocera:

<a href="#"><u>CX3225SB27000D0FEJZZ</u></a>	<a href="#"><u>CX3225SB16000E0FPZ25</u></a>	<a href="#"><u>CX3225SB12288D0FLJZ1</u></a>	<a href="#"><u>CX3225SB13560D0FLJ14</u></a>
<a href="#"><u>CX3225SB27000H0FZF33</u></a>	<a href="#"><u>CX3225SB40000D0FFFCC</u></a>	<a href="#"><u>CX3225SB12000D0FFJCC</u></a>	<a href="#"><u>CX3225SB16000D0FFJCC</u></a>
<a href="#"><u>CX3225SB48000D0FFFCC</u></a>	<a href="#"><u>CX3225SB12000D0FPNCC</u></a>	<a href="#"><u>CX3225SB24000D0FFJCC</u></a>	<a href="#"><u>CX3225SB27000D0FFFCC</u></a>
<a href="#"><u>CX3225SB38400D0FFFCC</u></a>	<a href="#"><u>CX3225SB32000D0FFFCC</u></a>	<a href="#"><u>CX3225SB26000D0FFFCC</u></a>	<a href="#"><u>CX3225SB25000D0FFFCC</u></a>
<a href="#"><u>CX3225SB54000D0WPSC1</u></a>	<a href="#"><u>CX3225SB48000D0WPSC1</u></a>	<a href="#"><u>CX3225SB54000D0WPSC2</u></a>	<a href="#"><u>CX3225SB54000D0FPJC2</u></a>
<a href="#"><u>CX3225SB54000D0FPJC1</u></a>	<a href="#"><u>CX3225SB48000D0WPTC1</u></a>	<a href="#"><u>CX3225SB54000D0WPTC1</u></a>	<a href="#"><u>CX3225SB54000D0WPSC3</u></a>
<a href="#"><u>CX3225SB49152F0HELC1</u></a>	<a href="#"><u>CX3225SB32000D0PSTC1</u></a>	<a href="#"><u>CX3225SB40000H0WLLC1</u></a>	<a href="#"><u>CX3225SB13560D0FLJCC</u></a>
<a href="#"><u>CX3225SB26000D0FLJCC</u></a>	<a href="#"><u>CX3225SB12288D0FLJCC</u></a>	<a href="#"><u>CX3225SB24000D0FLJCC</u></a>	<a href="#"><u>CX3225SB25000D0FLJCC</u></a>
<a href="#"><u>CX3225SB48000D0FLJCC</u></a>	<a href="#"><u>CX3225SB24576D0FLJCC</u></a>	<a href="#"><u>CX3225SB40000D0FLJCC</u></a>	<a href="#"><u>CX3225SB12000D0FLJCC</u></a>
<a href="#"><u>CX3225SB16000D0FLJCC</u></a>	<a href="#"><u>CX3225SB16000E0EGFCC</u></a>	<a href="#"><u>CX3225SB24000E0FPJCC</u></a>	<a href="#"><u>CX3225SB16000E0FPKCC</u></a>
<a href="#"><u>CX3225SB26000E0FGECC</u></a>	<a href="#"><u>CX3225SB24000E0FRLCC</u></a>	<a href="#"><u>CX3225SB25000P0FLFCC</u></a>	<a href="#"><u>CX3225SB12000H0KFSCC</u></a>
<a href="#"><u>CX3225SB12000F0KFSCC</u></a>	<a href="#"><u>CX3225SB24000P0FGFCC</u></a>	<a href="#"><u>CX3225SB25000D0KPSC1</u></a>	