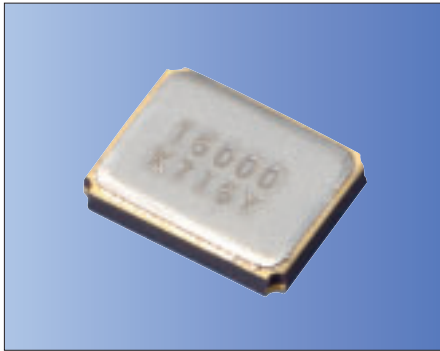## 3.2×2.5mm   for Consumer Products/ Mobile Communications

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 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	±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
  (STD Specification is "CC")

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.
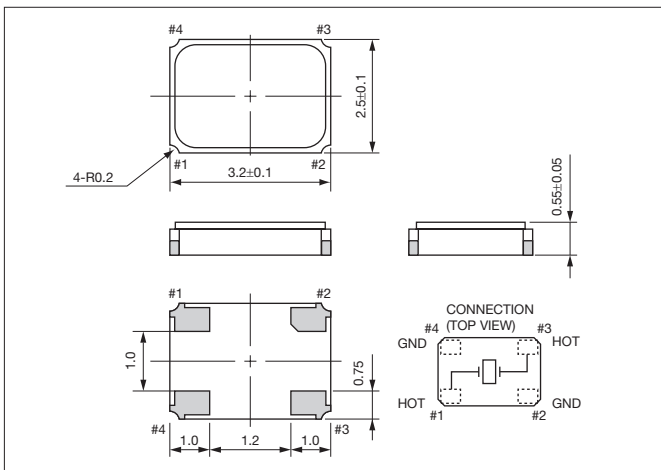
Table1 Motional Series Resistance

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

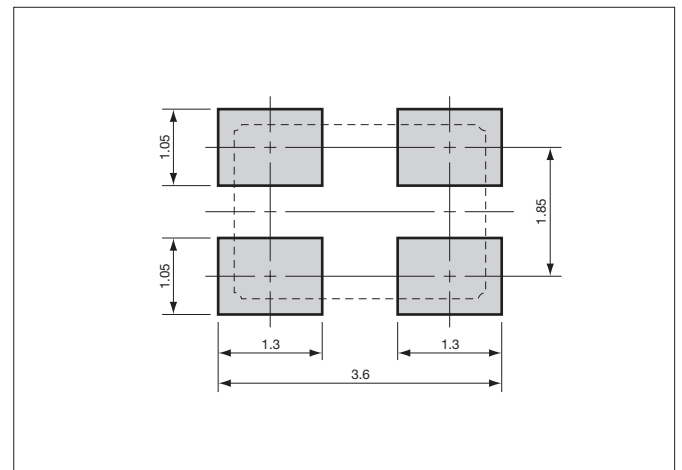| Frequency Range	Level of Drive
12000≤f_{nom}≤54000kHz	10µW (100µW max.)

Dimensions
(Unit: mm)

Recommended Land Pattern
(Unit: mm)

As of March 2018

Mouser Electronics

Authorized Distributor

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

[Kyocera](#):

  CX3225SB27000D0FEJZZ   CX3225SB16000E0FPZ25   CX3225SB12000D0FLJZZ   CX3225SB12288D0FLJZ1

CX3225SB13560D0FLJ14   CX3225SB27000H0FZF33   CX3225SB26000D0FLJZZ   CX3225SB16000D0FLJZZ

CX3225SB25000D0FPLCC   CX3225SB40000D0FPLCC   CX3225SB38400D0FPLCC   CX3225SB40000D0FFFCC

CX3225SB16000D0FPLCC   CX3225SB12000D0FFJCC   CX3225SB13560D0FPLCC   CX3225SB16000D0FFJCC

CX3225SB19200D0FPLCC   CX3225SB48000D0FFFCC   CX3225SB30000D0FPLCC   CX3225SB12000D0FPNCC

CX3225SB24000D0FFJCC   CX3225SB48000D0FPLCC   CX3225SB27000D0FFFCC   CX3225SB38400D0FFFCC

CX3225SB32000D0FFFCC   CX3225SB27000D0FPLCC   CX3225SB25000D0FFFCC   CX3225SB20000D0FPLCC

CX3225SB54000D0WPSC1   CX3225SB48000D0WPSC1   CX3225SB54000D0WPSC2   CX3225SB54000D0FPJC2

CX3225SB54000D0FPJC1   CX3225SB48000D0WPTC1   CX3225SB54000D0WPTC1   CX3225SB54000D0WPSC3

CX3225SB49152F0HELC1   CX3225SB40000H0WLLC1   CX3225SB12000H0FLJCC   CX3225SB20000H0FLJCC

CX3225SB54000H0FLJCC   CX3225SB24000D0FLJCC   CX3225SB25000D0FLJCC   CX3225SB32000H0FLJCC

CX3225SB40000H0FLJCC   CX3225SB48000D0FLJCC   CX3225SB25000H0FLJCC   CX3225SB30000H0FLJCC

CX3225SB24576H0FLJCC   CX3225SB26000H0FLJCC   CX3225SB13560H0FLJCC   CX3225SB12000D0FLJCC

CX3225SB16000D0FLJCC   CX3225SB16000E0EGFCC   CX3225SB16000E0FPKCC   CX3225SB26000E0FGECC

CX3225SB16000M0FDFCC   CX3225SB25000P0FLFCC   CX3225SB12000F0KFSCC   CX3225SB24000P0FGFCC