

1.6×1.2mm for Mobile Communications



RoHS Compliant

Features

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- Ultra-miniature and low profile

Applications

- Mobile Communications, Bluetooth®, Wireless LAN

* Bluetooth® Trademarks are owned by Bluetooth SIG Inc.

How to Order

CX1612DB 37400 □ □ □ □ □ □

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency
③ Load Capacitance ④ Frequency Tolerance

B0	6 pF	F	$\pm 10 \times 10^{-6}$
D0	8 pF	G	$\pm 15 \times 10^{-6}$

- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

FF	-20 to +70°C	$\pm 10 \times 10^{-6}$
LJ	-30 to +85°C	$\pm 15 \times 10^{-6}$

- ⑦ Individual Specification

Packaging (Tape & Reel 3000/ 20000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	37400 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Tolerance	f_{tol}	± 10	$\times 10^{-6}$	25°C $\pm 3^\circ\text{C}$
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T_{use}	-30 to +85	°C	
Storage Temp. Range	T_{stg}	-40 to +85	°C	
Frequency Temp. Characteristics	f_{tem}	± 15	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

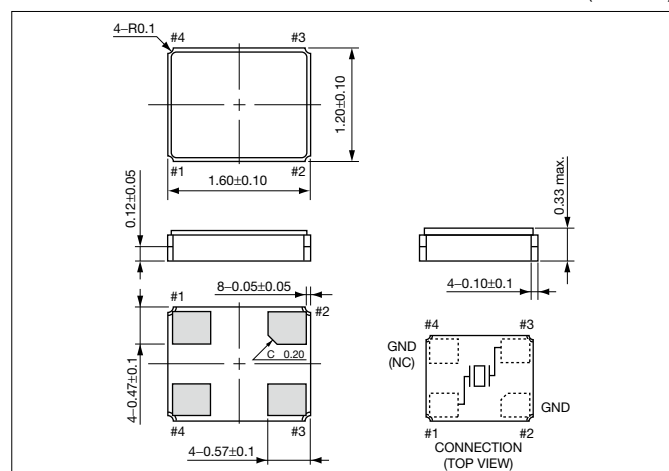
Frequency Range	Motional Series Resistance
$37400 \leq f_{nom} < 50000 \text{ kHz}$	80Ω max.
$50000 \leq f_{nom} \leq 60000 \text{ kHz}$	50Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
$37400 \leq f_{nom} \leq 60000 \text{ kHz}$	10μW (100μW max.)

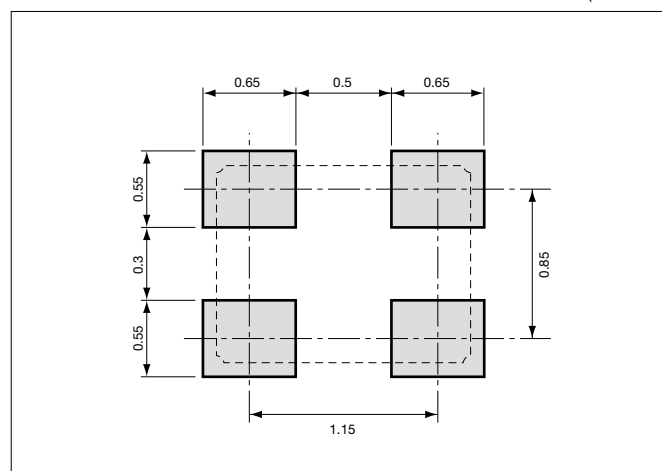
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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AVX:

<u>CX1612DB48000D0FPJC1</u>	<u>CX1612DB27120D0FLJCC</u>	<u>CX1612DB38400D0FLJCC</u>	<u>CX1612DB40000B0FLJCC</u>
<u>CX1612DB40000H0FLJCC</u>	<u>CX1612DB27120F0FLJCC</u>	<u>CX1612DB48000B0FLJCC</u>	<u>CX1612DB32000H0FLJCC</u>
<u>CX1612DB26000B0FLLCC</u>	<u>CX1612DB27120H0FLJCC</u>	<u>CX1612DB27000P0FLJCC</u>	<u>CX1612DB48000F0FLJCC</u>
<u>CX1612DB27120B0FLJCC</u>	<u>CX1612DB37400F0FLJCC</u>	<u>CX1612DB26000F0FLLCC</u>	<u>CX1612DB32000D0FLJCC</u>
<u>CX1612DB48000D0FLJCC</u>	<u>CX1612DB40000D0FLJCC</u>	<u>CX1612DB32000B0FLJCC</u>	<u>CX1612DB38400B0FLJCC</u>
<u>CX1612DB37400H0FLJCC</u>	<u>CX1612DB26000H0FLLCC</u>	<u>CX1612DB32000F0FLJCC</u>	<u>CX1612DB40000F0FLJCC</u>
<u>CX1612DB24000D0FLLCC</u>	<u>CX1612DB26000D0FLLCC</u>	<u>CX1612DB38400F0FLJCC</u>	<u>CX1612DB37400B0FLJCC</u>
<u>CX1612DB37400D0FLJCC</u>	<u>CX1612DB48000H0FLJCC</u>	<u>CX1612DB38400H0FLJCC</u>	