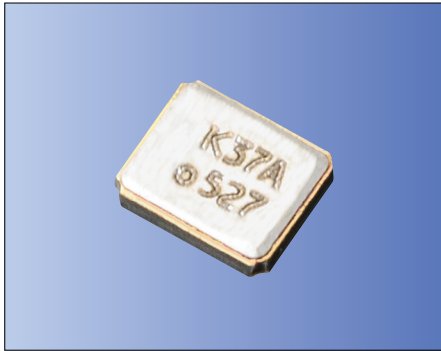




1.2 × 1.0mm for Consumer Products/ Mobile Communications



RoHS Compliant
 PSL: R4Y MSL1

How to Order

CX1210DB 37400 □□ □□ □□ CC
① ② ③④ ⑤ ⑥ ⑦ ⑧

- ① Series (Type and Size)
- ② Frequency (37400 to 80000kHz)
- ③④ Load Capacitance (Unit:pF) Ex.: D1:8.1pF

③ Integer part		④ After the decimal point	
D	8	0	.0
E	9	1	.1
F	10	2	.2
G	11	3	.3
H	12	4	.4
Z	Special suffix	5	.5
		6	.6
		7	.7
		8	.8
		9	.9

Packaging
(Tape & Reel 1000/ 3000/ 12000/ 21000pcs./ reel)

⑤ Frequency Tolerance

F	±10×10 ⁻⁶
G	±15×10 ⁻⁶
H	±20×10 ⁻⁶
J	±25×10 ⁻⁶
K	±30×10 ⁻⁶
M	±40×10 ⁻⁶
P	±50×10 ⁻⁶
W	All Over
Z	Special suffix

Features

- Ultra-miniature and low profile (1.2 × 1.0 × 0.3mm max.)
- Crystal unit for mobile communication Systems.
- Reflow compatible
- Using ceramic package resulting in high reliability

Applications

- Mobile Communications, Bluetooth®, Wireless LAN
- * Bluetooth® Trademarks are owned by Bluetooth SIG, Inc.

⑥ Operating Temp. Range ⑦ Frequency Temp. Stability

⑥	⑦	F	J	L	R	S
		±10ppm	±15ppm	±20ppm	±40ppm	±50ppm
G	-20 to 75°C	✓	✓	✓	✓	✓
L	-30 to 85°C		✓	✓	✓	✓
P	-40 to 85°C			✓	✓	✓
R	-40 to 105°C				✓	✓
S	-40 to 125°C				✓	✓

⑧ Individual Specification (STD Specification is "CC" .)

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f _{nom}	37400 to 80000	kHz	Please contact us for other frequency range.
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f _{tol}	± 10	× 10 ⁻⁶	25° C ± 3° C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10μW (100μW max.)	μ W	
Operating Temp. Range	T _{use}	- 30 to +85	° C	
Storage Temp. Range	T _{stg}	- 40 to +105	° C	
Frequency Temp. Characteristics	f _{tem}	± 12	× 10 ⁻⁶	Freq. deviation from the value at 25° C
Shunt capacitance	C0	2.0max.	pF	

Please contact us for other specifications.

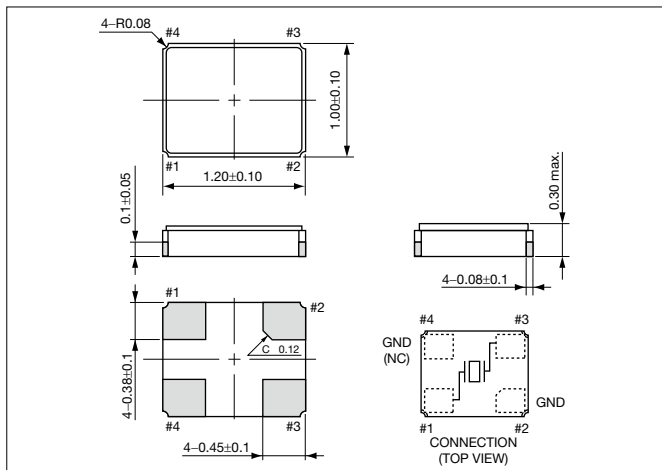
◆ Table 1
Motional Series Resistance ESR (C1)

Frequency (MHz)	ESR (Ohm)
37.4 ≤ F < 48	60
48 ≤ F ≤ 80	50

Crystal Units

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

