



1.0 × 0.8mm for Consumer Products/ Mobile Communications



RoHS Compliant
PSL: R4Y MSL1

How to Order

CX1008SB 37400 □□ □ □ □ CC
 ① ② ③④ ⑤ ⑥ ⑦ ⑧

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

③ Integer part	
D	8
E	9
F	10
G	11
H	12
Z	Special suffix

0	.0
1	.1
2	.2
3	.3
4	.4
5	.5
6	.6
7	.7
8	.8
9	.9

Packaging
(Tape & Reel 21000 pcs./ reel)

⑤Frequency Tolerance

F	$\pm 10 \times 10^{-6}$
G	$\pm 15 \times 10^{-6}$
H	$\pm 20 \times 10^{-6}$
J	$\pm 25 \times 10^{-6}$
K	$\pm 30 \times 10^{-6}$
M	$\pm 40 \times 10^{-6}$
P	$\pm 50 \times 10^{-6}$
W	All Over
Z	Special suffix

Features

- Ultra-miniature and low profile (1.0 × 0.8 × 0.3/0.27mm max.)
- Crystal unit for mobile communication Systems.
- Reflow compatible
- Using ceramic package resulting in high reliability

Applications

- Mobile Communications

⑥Operating Temp. Range ⑦Frequency 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				✓	✓

⑧Individual 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	7	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.)	μW	
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	
Shunt capacitance	C0	1.0max.	pF	

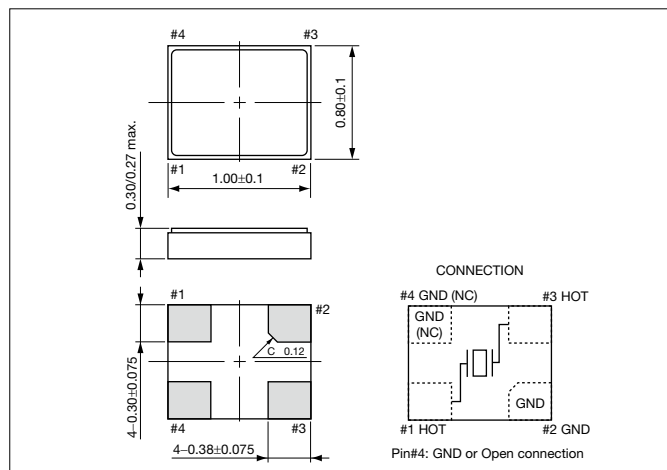
Please contact us for other specifications.

◆Table 1
Motional Series Resistance ESR (C1)

Frequency(MHz)	ESR (Ohm)
$37.4 \leq F < 48$	60
$48 \leq F \leq 80$	50

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

