



1.0×0.8mm for Mobile Communications



RoHS Compliant

Features

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

Applications

- Mobile Communications

How to Order

CX1008SB 37400 □□ □ □ □ □
① ② ③ ④ ⑤ ⑥ ⑦

①Series

③Load Capacitance

B0	6 pF	—
C0	7 pF	Std.

②Frequency

④Frequency Tolerance

F	$\pm 10 \times 10^{-6}$	Std.
G	$\pm 15 \times 10^{-6}$	—

⑤Operating Temp. Range ⑥Frequency Temp. Stability

LH	-30 to +85°C	$\pm 12 \times 10^{-6}$
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⑦Individual Specification

Packaging (Tape & Reel 21000 pcs./ reel)

Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f_{nom}	37400 to 80000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	7	pF	Please contact us for other CL requirements.
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 +105	°C	
Frequency Temp. Characteristics	f_{tem}	± 12	$\times 10^{-6}$	

Please contact us for other specifications.

Crystal Units



Table 1 Motional Series Resistance

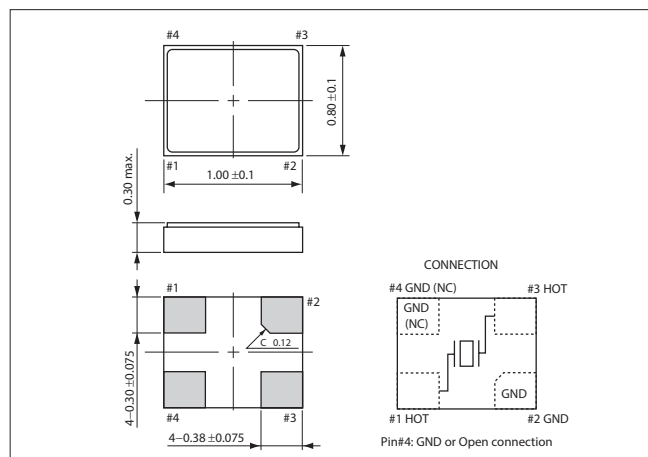
Frequency Range	Motional Series Resistance
$f_{nom}=37400$ to 80000kHz	60 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
$f_{nom}=37400$ to 80000kHz	10 μW (100 μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

