

Pb Free

RoHS Compliant

Features

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

Applications

- Mobile Communications, Bluetooth, Wireless LAN

How to Order

CX2520SB 32000 D0 F L J ZZ
① ② ③ ④ ⑤ ⑥ ⑦

① Code

② Typical Frequencies

Code	Freq.(kHz)	Code	Freq.(kHz)
13560	13560.000	27120	27120.000
16000	16000.000	32000	32000.000
18000	18000.000	38400	38400.000
19200	19200.000	40000	40000.000
24000	24000.000	44000	44000.000
26000	26000.000		

*Please inquire about frequencies other than the above.

③ Load Capacitance

D0	8pF
-----------	-----

④ Frequency Stability

F	$\pm 10 \times 10^{-6}$
----------	-------------------------

⑤ Operating Temperature Range

L	-30°C to +85°C
----------	----------------

⑥ Frequency Temperature Stability

J	$\pm 15 \times 10^{-6}$
----------	-------------------------

⑦ Special

ZZ	Custom Specification
-----------	----------------------

Specifications

Items	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	13560 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Frequency Tolerance	f _{tol}	±10	×10 ⁻⁶	@ 25°C
Frequency Temp. Characteristics	f _{tem}	±15	×10 ⁻⁶	ref.@ 25°C Over Operating Temp. Range
Motional Series Resistance	R1	Table 1	ohm	
Level of Drive	DL	Table 2	μW	
Load Capacitance	CL	8	pF	
Operating Temp. Range	T _{use}	-30 to +85	°C	
Storage Temp. Range	T _{stg}	-40 to +85	°C	

* Please inquire about specifications other than the above.

Table1 Motional Series Resistances

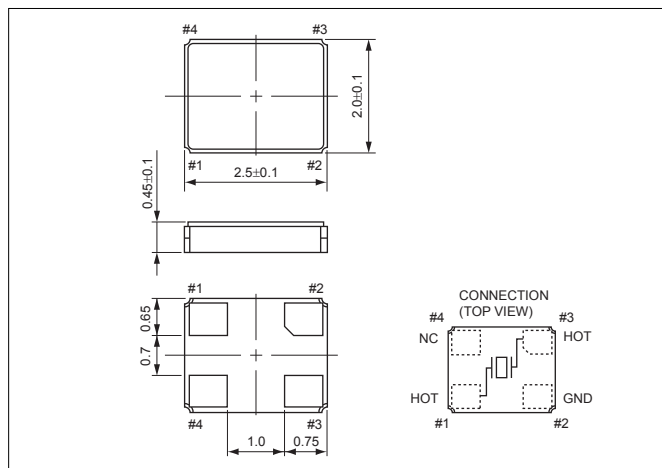
Frequency Range	Motional Series Resistance	Units
13560 to 15999kHz	300	ohm
16000 to 19999kHz	150	
20000 to 39999kHz	100	
40000 to 60000kHz	50	

Table2 Level of Drive

Frequency Range	Level of Drive	Units
13560 to 60000kHz	10 (100 max.)	μW

Dimensions

(Unit : mm)



Recommended Land Pattern

(Unit : mm)

