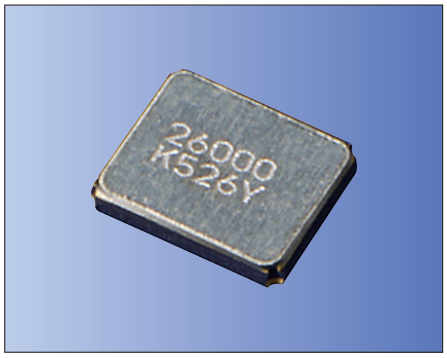
Crystal Units
Surface Mount Type CX2520SB

KYOCERA

2.5×2.0mm for Mobile Communications



Pb Free RoHS Compliant

Features

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- Low Profile (0.45mm)

Applications

- Mobile Communications, Bluetooth, Wireless LAN

How to Order

CX2520SB 26000 □□ □ □ □ □□

① ② ③ ④ ⑤ ⑥ ⑦

① Series ② Frequency

③ Load Capacitance

B0	6 pF	—
D0	8 pF	Std.

④ Frequency Stability

F	±10×10⁻⁶	Std.
G	±15×10⁻⁶	—

⑤Operating Temp. Range ⑥Frequency Temp. Stability

FF	–20 to +70°C	±10×10⁻⁶	—
LJ	–30 to +85°C	±15×10⁻⁶	Std.

⑦ Individual Specification

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	13560 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Stability	f_{tol}	±10	×10⁻⁶	25°C±3°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	×10⁻⁶	Freq. deviation from the value at 25°C

∗ Please contact us for other specifications.

Typical Frequencies and Part Numbers

Frequency (kHz)	Part Number
13560.000	CX2520SB13560D0FLJZ1
16000.000	CX2520SB16000D0FLJZ1
18000.000	CX2520SB18000D0FLJZ1
19200.000	CX2520SB19200D0FLJZ1
24000.000	CX2520SB24000D0FLJZ1
26000.000	CX2520SB26000D0FLJZ1
27120.000	CX2520SB27120D0FLJZ1
32000.000	CX2520SB32000D0FLJZ1
38400.000	CX2520SB38400D0FLJZ1
40000.000	CX2520SB40000D0FLJZ1
44000.000	CX2520SB44000D0FLJZ1
54000.000	CX2520SB54000D0FLJZ1

Table1 Motional Series Resistance

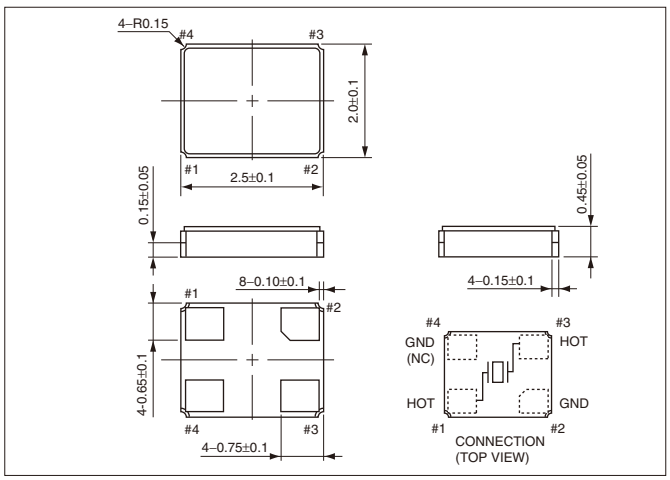
Frequency Range	Motional Series Resistance
13560 to 15999kHz	200Ω max.
16000 to 19199kHz	100Ω max.
19200 to 25999kHz	80Ω max.
26000 to 29999kHz	60Ω max.
30000 to 60000kHz	50Ω max.

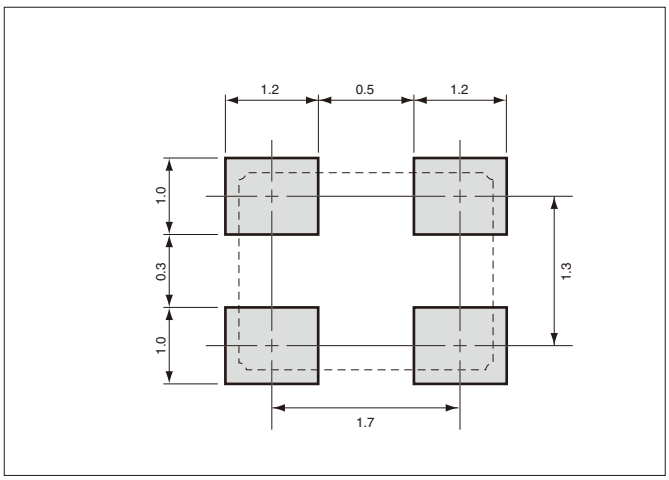
Table2 Level of Drive

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

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)