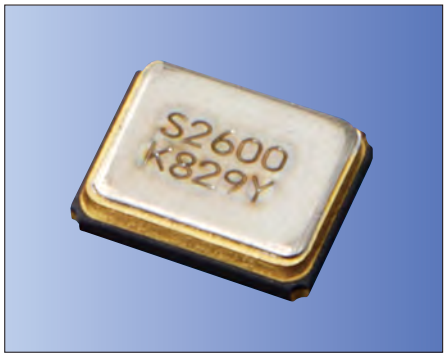
Crystal Units
Surface Mount Type CX2520SH

KYOCERA

2.5×2.0mm for Consumer Products



Pb Free RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.5×2.0×0.55mm)
- Ceramic package
- A lead free product
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

How to Order

CX2520SH 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

G	±15×10⁻⁶	Std.

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EJ	–10 to +70°C	±15×10⁻⁶	Std.

⑦ Individual Specification

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	26000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Stability	f_{tol}	±15	×10⁻⁶	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T_{use}	–10 to +70	°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
26000.000	CX2520SH26000D0GEJZ1
27000.000	CX2520SH27000D0GEJZ1
27120.000	CX2520SH27120D0GEJZ1
30000.000	CX2520SH30000D0GEJZ1
32000.000	CX2520SH32000D0GEJZ1
33000.000	CX2520SH33000D0GEJZ1
33333.000	CX2520SH33333D0GEJZ1
40000.000	CX2520SH40000D0GEJZ1
48000.000	CX2520SH48000D0GEJZ1
54000.000	CX2520SH54000D0GEJZ1

Table1 Motional Series Resistance

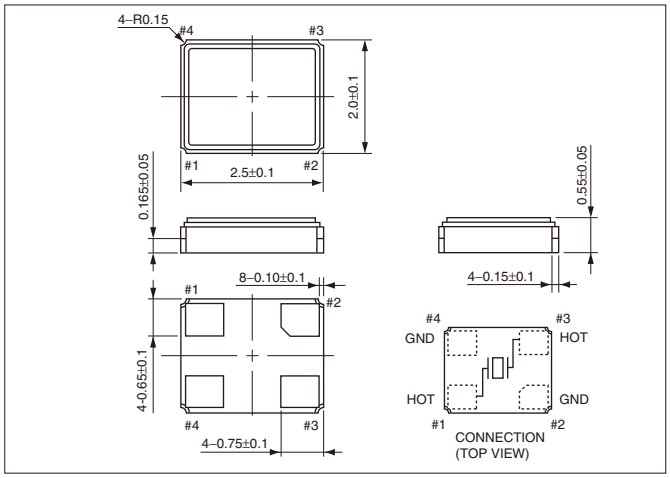
Frequency Range	Motional Series Resistance
26000 to 29999kHz	60Ω max.
30000 to 60000kHz	50Ω max.

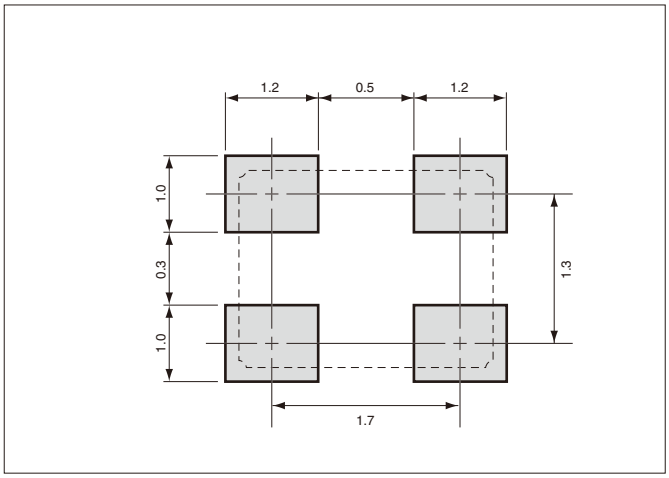
Table2 Level of Drive

Frequency Range	Level of Drive
26000 to 60000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)