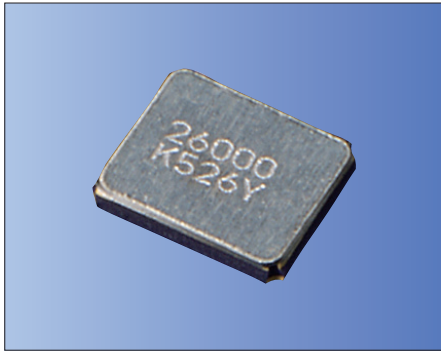




2.5×2.0mm for Consumer Products/ Mobile Communications



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- Mobile Communications, Bluetooth[®], Wireless LAN

* Bluetooth[®] Trademarks are owned by Bluetooth SIG Inc.

How to Order

CX2520DB 27000 D0 G □ J CC
① ② ③ ④ ⑤ ⑥ ⑦

- ① Series
- ② Frequency
- ③ Load Capacitance
- ④ Frequency Tolerance
- ⑤ Operating Temp. Range
- ⑥ Frequency Temp. Stability
- ⑦ Individual Specification (STD Specification is "CC")

D0	8 pF	G	±15×10 ⁻⁶
EJ	-10 to +70°C		±15×10 ⁻⁶
LN	-30 to +85°C		±25×10 ⁻⁶

Packaging (Tape & Reel 1000/ 3000/ 12000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	12000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	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	-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.

Table 1 Motional Series Resistance

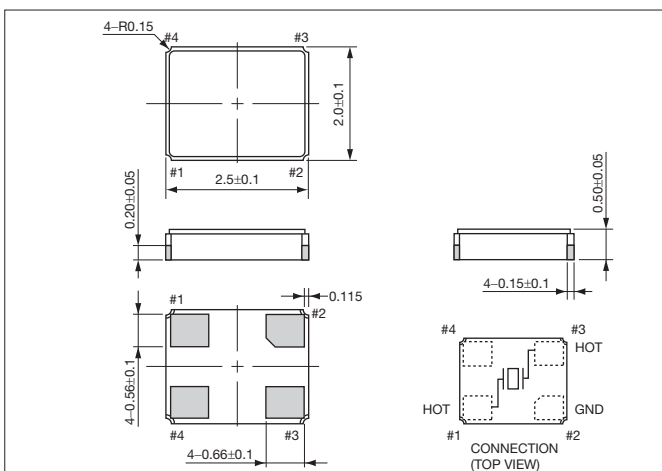
Frequency Range	Motional Series Resistance
12000≤f _{nom} <16000kHz	150Ω max.
16000≤f _{nom} <26000kHz	80Ω max.
26000≤f _{nom} <30000kHz	60Ω max.
30000≤f _{nom} ≤54000kHz	50Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
12000≤f _{nom} ≤54000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

