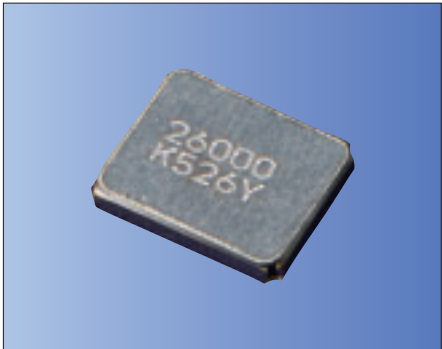




2.5×2.0mm for Consumer Products/ Mobile Communications



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
D0 8 pF G $\pm 15 \times 10^{-6}$
⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
EJ -10 to +70°C $\pm 15 \times 10^{-6}$
LJ -30 to +85°C $\pm 15 \times 10^{-6}$
⑦ Individual Specification
(STD Specification is "CC")

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 Load Capacitance.
Frequency Tolerance	f _{tol}	± 15		$\times 10^{-6}$	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}	-10 to +70	-30 to +85	°C	
Storage Temp. Range	T _{stg}	-40 to +85		°C	
Frequency Temp. Characteristics	f _{tem}	± 15		$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

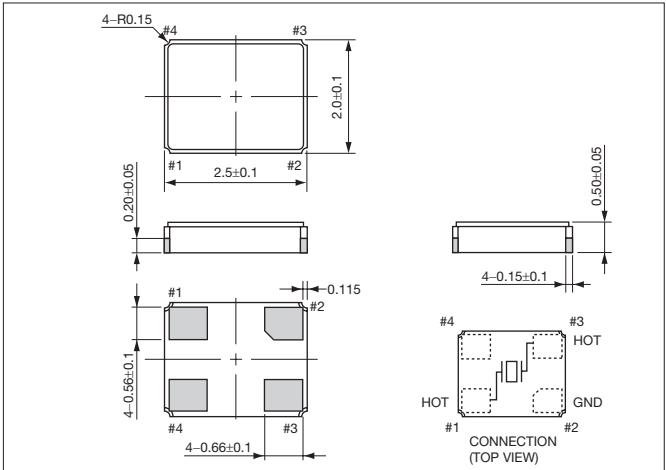
Frequency Range	Motional Series Resistance
12000≤f _{nom} <16000kHz	150Ω max.
16000≤f _{nom} <26000kHz	80Ω max.
26000≤f _{nom} <30000kHz	60Ω max.
30000≤f _{nom} ≤54000kHz	50Ω max.

Table2 Level of Drive

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

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

