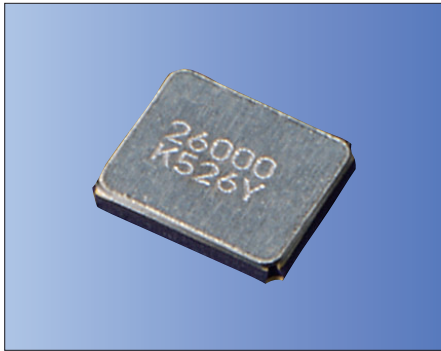




2.5×2.0mm for Consumer Products/ Mobile Communications



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

①Series		
②Frequency		
③Load Capacitance	8 pF	④Frequency Tolerance
		±15×10 <sup>-6</sup>
⑤Operating Temp. Range ⑥Frequency Temp. Stability		
EJ	-10 to +70°C	±15×10 <sup>-6</sup>
LN	-30 to +85°C	±25×10 <sup>-6</sup>

⑦Individual Specification (STD Specification is "CC".)

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

**Specifications**

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f <sub>nom</sub>	12000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f <sub>tol</sub>	±15	×10 <sup>-6</sup>	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T <sub>use</sub>	-10 to +70      -30 to +85	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

**Table 1 Motional Series Resistance**

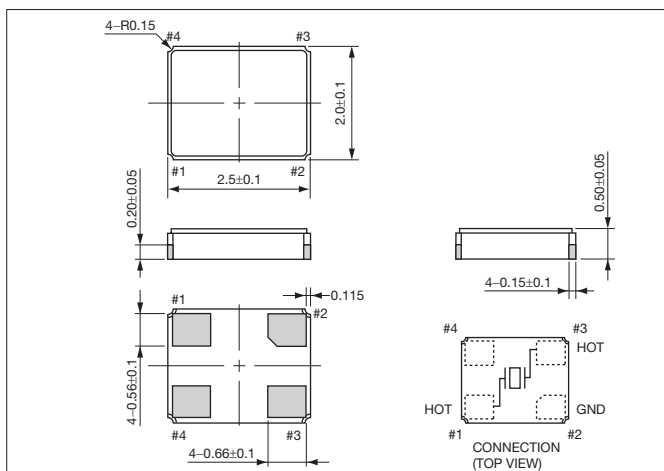
Frequency Range	Motional Series Resistance
12000 ≤ f <sub>nom</sub> < 16000kHz	150 Ω max.
16000 ≤ f <sub>nom</sub> < 26000kHz	80 Ω max.
26000 ≤ f <sub>nom</sub> < 30000kHz	60 Ω max.
30000 ≤ f <sub>nom</sub> ≤ 54000kHz	50 Ω max.

**Table 2 Level of Drive**

Frequency Range	Level of Drive
12000 ≤ f <sub>nom</sub> ≤ 54000kHz	10μW (100μW max.)

**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)

