



2.0×1.6mm for Consumer Products/ Mobile Communications



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.0×1.6×0.40mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- Mobile Communications, Bluetooth\*, Wireless LAN

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How to Order

CX2016DB 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	±15×10 <sup>-6</sup>
⑤ Operating Temp. Range	⑥ Frequency Temp. Stability		
EJ	-10 to +70°C	±15×10 <sup>-6</sup>	
LN	-30 to +85°C	±25×10 <sup>-6</sup>	

⑦ Individual Specification (STD Specification is "CC")

Packaging (Tape & Reel 1000/ 3000/ 15000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	16000 to 60000	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

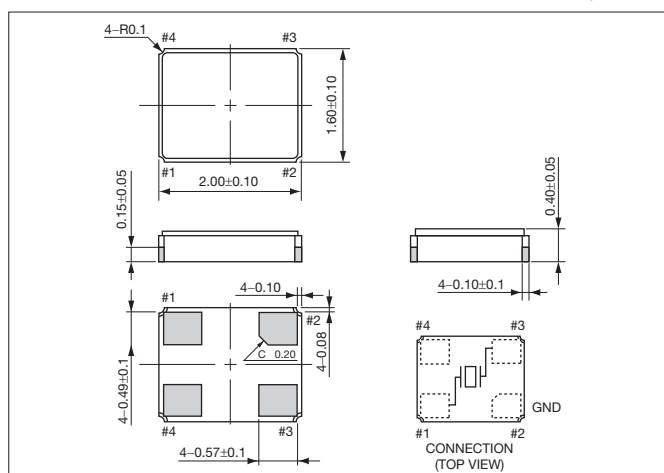
Frequency Range	Motional Series Resistance
16000≤f <sub>nom</sub> <18000kHz	200Ω max.
18000≤f <sub>nom</sub> <26000kHz	150Ω max.
26000≤f <sub>nom</sub> <40000kHz	60Ω max.
40000≤f <sub>nom</sub> ≤60000kHz	50Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
16000≤f <sub>nom</sub> ≤60000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

