

2.0×1.6mm for Automotive



RoHS Compliant

Features

- Crystal unit for automotive electronics
- Ultra-miniature and low profile (2.0×1.6×0.40mm)
- Ceramic package
- Reflow compatible
- AEC-Q200 qualified

Applications

- Car Electronics
- Automotive Camera
- TPMS
- RADAR

How to Order

CX2016DB 27000 ☐ ☐ ☐ ☐ ☐ ☐

- ① Series ② Frequency ③ Load Capacitance ④ Frequency Tolerance
- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability ⑦ Individual Specification

D0 8 pF **G** ±15×10⁻⁶

SS -40 to +125°C ±50×10⁻⁶

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

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	24000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other Load Capacitance.
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}	-40 to +125	°C	
Storage Temp. Range	T _{stg}	-40 to +125	°C	
Frequency Temp. Characteristics	f _{tem}	±50	×10 ⁻⁶	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

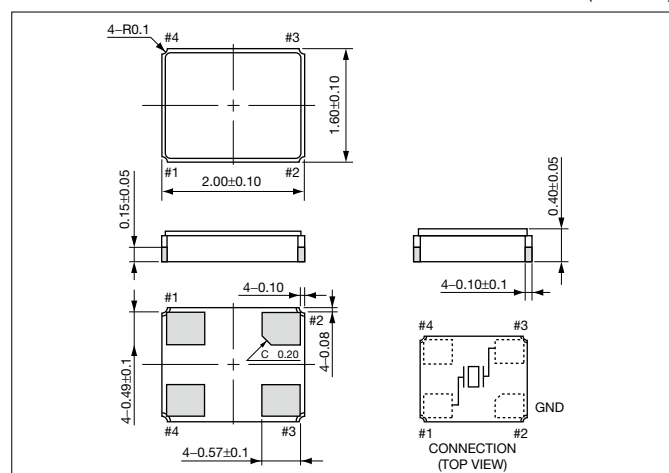
Frequency Range	Motional Series Resistance
24000≤f _{nom} <26000kHz	150Ω max.
26000≤f _{nom} <40000kHz	60Ω max.
40000≤f _{nom} ≤60000kHz	50Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
24000≤f _{nom} ≤60000kHz	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

