



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 L L CC
① ② ③ ④ ⑤ ⑥ ⑦

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

| | | | |
|----|--------------|---|----------------------|
| D0 | 8 pF | G | ±15×10 ⁻⁶ |
| LL | -30 to +85°C | | ±20×10 ⁻⁶ |

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

Specifications

| Item | Symbol | Specification | Unit | Remarks |
|---------------------------------|------------------|--|-------------------|--|
| Frequency Range | f _{nom} | 16, 20, 24, 25, 26, 27, 30, 32, 37.4, 38.4, 40, 48, 50 | MHz | Please contact us for other frequency range. |
| 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 | 10μW(100μW max.) | μW | |
| Operating Temp. Range | T _{use} | -30 to +85 | °C | |
| Storage Temp. Range | T _{stg} | -40 to +85 | °C | |
| Frequency Temp. Characteristics | f _{tem} | ±20 | ×10 ⁻⁶ | Freq. deviation from the value at 25°C |

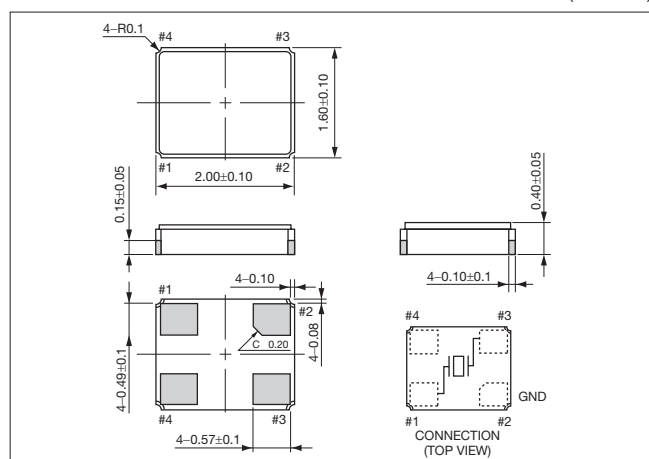
Please contact us for other specifications.

Table 1 Motional Series Resistance Please contact us for other frequency range.

| Frequency | Motional Series Resistance |
|-----------|----------------------------|
| 16MHz | 200 Ω max. |
| 20MHz | 150 Ω max. |
| 32MHz | 60 Ω max. |
| 50MHz | 50 Ω max. |

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

