



RoHS Compliant

### Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.0x1.6x0.40mm)
- Ceramic package
- Reflow compatible

### Applications

- Digital Electronics
- Consumer Products

### How to Order

CX2016DB 27000

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series (CX2016DB)
  - ② Frequency
  - ③ Load Capacitance ④ Frequency Stability
- |           |      |      |          |                         |      |
|-----------|------|------|----------|-------------------------|------|
| <b>B0</b> | 6 pF | —    | <b>G</b> | $\pm 15 \times 10^{-6}$ | Std. |
| <b>D0</b> | 8 pF | Std. |          |                         |      |
- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
- |           |              |                         |      |
|-----------|--------------|-------------------------|------|
| <b>EJ</b> | -10 to +70°C | $\pm 15 \times 10^{-6}$ | Std. |
|-----------|--------------|-------------------------|------|
- ⑦ Individual Specification

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

### Specifications

Item	Symbol	Specification	Units	Remarks
Series	—	CX2016DB	—	
Frequency Range	f <sub>nom</sub>	18000 to 54000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Stability	f <sub>tol</sub>	±15	$\times 10^{-6}$	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	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15	$\times 10^{-6}$	Freq. deviation from the value at 25°C

• Please contact us for other specifications.

### Typical Frequencies and Part Numbers

Frequency (kHz)	Part Number
18000.000	CX2016DB18000D0GEJZ1
20000.000	CX2016DB20000D0GEJZ1
24000.000	CX2016DB24000D0GEJZ1
24576.000	CX2016DB24576D0GEJZ1
26000.000	CX2016DB26000D0GEJZ1
27000.000	CX2016DB27000D0GEJZ1
32000.000	CX2016DB32000D0GEJZ1
36000.000	CX2016DB36000D0GEJZ1
37400.000	CX2016DB37400D0GEJZ1
38400.000	CX2016DB38400D0GEJZ1
40000.000	CX2016DB40000D0GEJZ1
48000.000	CX2016DB48000D0GEJZ1

### Table1 Motional Series Resistance

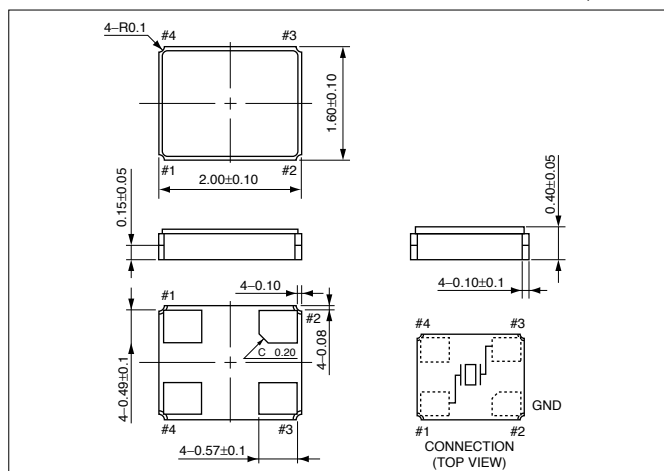
Frequency Range	Motional Series Resistance
18000 to 25999kHz	150Ω max.
26000 to 35999kHz	80Ω max.
36000 to 39999kHz	60Ω max.
40000 to 54000kHz	50Ω max.

### Table2 Level of Drive

Frequency Range	Level of Drive
18000 to 54000kHz	10μW (100μW max.)

### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)

