

2.0×1.6mm for Consumer Products/ Mobile Communications/ Automotive



RoHS Compliant

**Features**

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.0×1.6×0.40mm)
- Ceramic package
- Reflow compatible
- AEC-Q200 qualified (Please contact us for Automotive use)

**Applications**

- Digital Electronics
- Consumer Products
- Mobile Communications, Bluetooth®, Wireless LAN
- Car Electronics

\* Bluetooth® Trademarks are owned by Bluetooth SIG Inc.

**How to Order**

CX2016DB 27000

- ① Series (CX2016DB)
- ② Frequency
- ③ Load Capacitance    ④ Frequency Tolerance
- ⑤ Operating Temp. Range    ⑥ Frequency Temp. Stability
- ⑦ Individual Specification

<b>D0</b>	8 pF	<b>G</b>	±15×10 <sup>-6</sup>
<b>EJ</b>	-10 to +70°C		±15×10 <sup>-6</sup>
<b>LJ</b>	-30 to +85°C		±15×10 <sup>-6</sup>
<b>SS</b>	-40 to +125°C		±50×10 <sup>-6</sup>

Packaging (Tape & Reel 1000/ 3000 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 Load Capacitance.
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    -40 to +125	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +85    -40 to +125	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±15    ±50	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

**Table1 Motional Series Resistance**

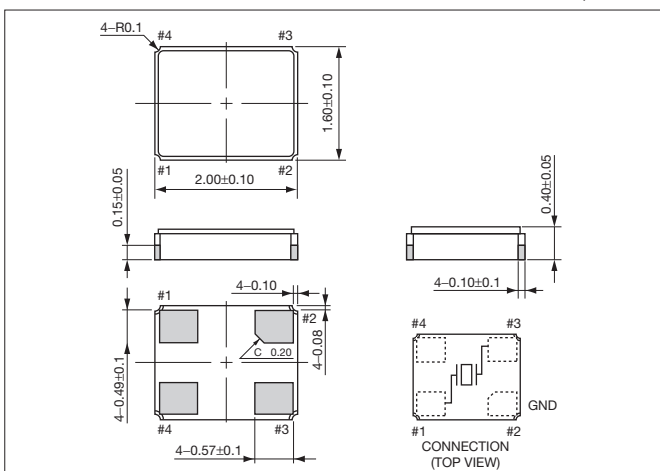
Frequency Range	Motional Series Resistance
16000≤f <sub>nom</sub> <18000kHz	200Ω max.
18000≤f <sub>nom</sub> <26000kHz	150Ω max.
26000≤f <sub>nom</sub> <40000kHz	60Ω max.
40000≤f <sub>nom</sub> ≤60000kHz	50Ω max.

**Table2 Level of Drive**

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

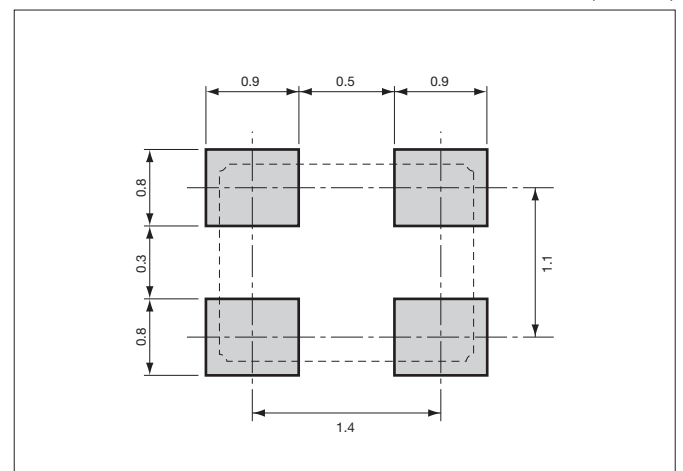
**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Crystals](#) category:*

*Click to view products by [Kyocera](#) manufacturer:*

Other Similar products are found below :

[CS325S24000000ABJT](#) [718-13.2-1](#) [MC405 32.0000K-R3:PURE SN](#) [FC-135R 32.7680KF-A3](#) [7A-40.000MAAE-T](#) [7B-27.000MBBK-T](#)  
[FL2000085](#) [9B-15.360MBBK-B](#) [9C-7.680MBBK-T](#) [ASH7K-32.768KHZ](#) [AT-41.600MAGQ-T](#) [BTD1062E05A-513](#) [LFXTAL066198Cutt](#)  
[9C-14.31818MBBK-T](#) [FA-238 50.0000MB30X-K3](#) [FC-12M 32.7680KA-AC3](#) [SSPT7F-9PF20-R](#) [FX325BS-38.88EEM1201](#)  
[LFXTAL065253Cutt](#) [LFXTAL066431Cutt](#) [XT9S20ANA14M7456](#) [XT9SNLANA16M](#) [646G-24-2](#) [7A-24.576MBBK-T](#) [7B-30.000MBBK-T](#)  
[WX26-32.768K-6PF](#) [9B-14.31818MBBK-B](#) [CD1AM](#) [7B-25.000MAAE-T](#) [7A-14.31818MBBK-T](#) [6504-202-1501](#) [6526-202-1501](#) [FA-118T](#)  
[27.1200MB50P-K0](#) [FC-135R 32.7680KA-A3](#) [ABM12-104-37.400MHZT](#) [ABLS-10.000MHZ-D3W-T](#) [BTJ112E01E-513](#) [BTJ722K01C-7067](#)  
[BTL-20-513](#) [TSX-3225 24.0000MF15X-AC](#) [TSX-3225 16.0000MF18X-AC](#) [BTJ120E02C](#) [BTL-12-513](#) [7A-10.000MBBK-T](#) [7A-](#)  
[11.0592MBBK-T](#) [ABM12-103-24.000MHZT](#) [CS325S25000000ABJT](#) [ABM3B-25.000MHZ-B2-X-T](#) [FC-135 32.7680KA-A5](#) [FX0800015](#)