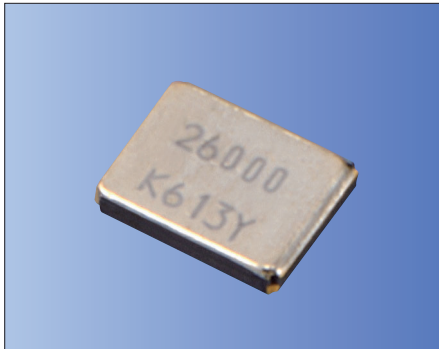




2.0×1.6mm for Consumer Products/ Mobile Communications



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

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

How to Order

CX2016DB 27000 D0 G □ J CC
① ② ③ ④ ⑤ ⑥ ⑦

①Series

②Frequency

③Load Capacitance

④Frequency Tolerance

D0 8 pF G $\pm 15 \times 10^{-6}$

⑤Operating Temp. Range ⑥Frequency Temp. Stability

EJ -10 to +70°C $\pm 15 \times 10^{-6}$
LN -30 to +85°C $\pm 25 \times 10^{-6}$

⑦Individual Specification

(STD Specification is "CC".)

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

Specifications

Item	Symbol	Specification		Unit	Remarks
Frequency Range	f_{nom}	16000 to 60000		kHz	
Overtone Order	OT	Fundamental		—	
Load Capacitance	CL	8		pF	Please contact us for other CL requirements.
Frequency Tolerance	f_{tol}	± 15		$\times 10^{-6}$	25°C $\pm 3^\circ\text{C}$
Motional Series Resistance	R1	Table 1		ohm	
Drive Level	DL	Table 2		μW	
Operating Temp. Range	T_{use}	-10 to +70	-30 to +85	$^\circ\text{C}$	
Storage Temp. Range	T_{stg}	-40 to +85		$^\circ\text{C}$	
Frequency Temp. Characteristics	f_{tem}	± 15		$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table 1 Motional Series Resistance

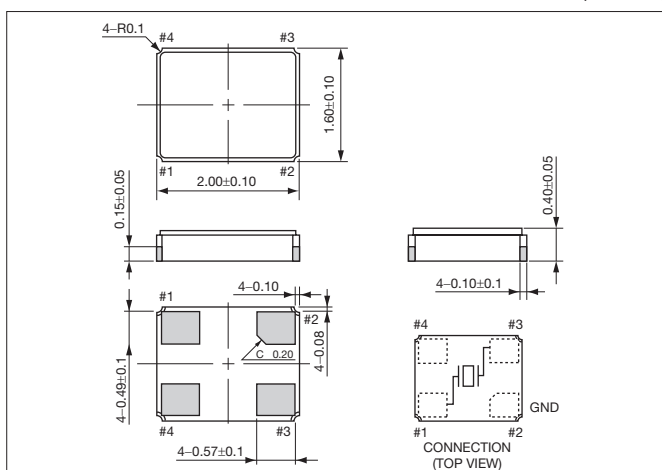
Frequency Range	Motional Series Resistance
$16000 \leq f_{nom} < 18000 \text{ kHz}$	200 Ω max.
$18000 \leq f_{nom} < 26000 \text{ kHz}$	150 Ω max.
$26000 \leq f_{nom} < 40000 \text{ kHz}$	60 Ω max.
$40000 \leq f_{nom} \leq 60000 \text{ kHz}$	50 Ω max.

Table 2 Level of Drive

Frequency Range	Level of Drive
$16000 \leq f_{nom} \leq 60000 \text{ kHz}$	10 μW (100 μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

