



Ph Free

RoHS Compliant

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.0×1.6×0.45mm)
- Ceramic package
- A lead free product
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

How to Order

CX2016SB 27000 ☐ ☐ ☐ ☐ ☐ ☐

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency
③ Load Capacitance ④ Frequency Stability

B0	6 pF	—	P	±50×10 ⁻⁶	Std.
D0	8 pF	Std.			

- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

ES	-10 to +70°C	±50×10 ⁻⁶	Std.
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- ⑦ Individual Specification... Std.Spec. as "ZZ"

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	20000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	
Frequency Stability	f _{tol}	±50	×10 ⁻⁶	@ 25°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T _{use}	-10 to +70	°C	
Storage Temp. Range	T _{stg}	-40 to +85	°C	
Frequency Temp. Characteristics	f _{tem}	±50	×10 ⁻⁶	ref. @ 25°C over operating temperature range

* Please contact us for other specifications.

Typical Frequencies and Part Numbers

Frequency (kHz)	Standard Part Number
20000.000	CX2016SB20000D0PESZZ
24000.000	CX2016SB24000D0PESZZ
24576.000	CX2016SB24576D0PESZZ
26000.000	CX2016SB26000D0PESZZ
27000.000	CX2016SB27000D0PESZZ
27120.000	CX2016SB27120D0PESZZ
30000.000	CX2016SB30000D0PESZZ
32000.000	CX2016SB32000D0PESZZ
36000.000	CX2016SB36000D0PESZZ
38400.000	CX2016SB38400D0PESZZ
40000.000	CX2016SB40000D0PESZZ
48000.000	CX2016SB48000D0PESZZ
54000.000	CX2016SB54000D0PESZZ

Table1 Motional Series Resistance

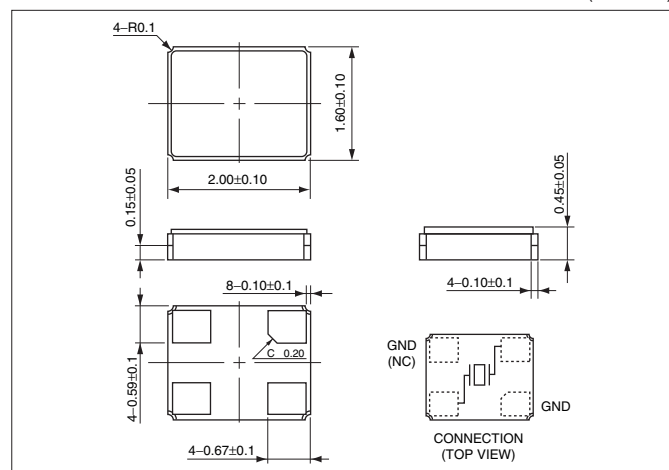
Frequency Range	Motional Series Resistance	Units
20000 to 25999kHz	200 max.	ohm
26000 to 39999kHz	100 max.	
40000 to 60000kHz	50 max.	

Table2 Level of Drive

Frequency Range	Drive Level	Units
20000 to 60000kHz	10 (100 max.)	μW

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

