Crystal Units Surface Mount Type CX2016DB







2.0 × 1.6mm for Consumer Products



RoHS Compliant
PSL: R4Y MSL1

How to Order

CX2016DB 27000 DO G S S HH 1) 2 34 5 6 7 8

- ①Series (Type and Size) ②Frequency (16,000 to 60,000kHz)
- 34Load Capacitance (Unit:pF) Ex.: D1:8.1pF

3Integer part		4 After th	After the decimal		
D	8	0	.0		
E	9	1	.1		
F	10	2	.2		
G	11	3	.3		
H	12	4	.4		
z	Special suffix	5	.5		
	Special Sullix	6	.6		
		7	.7		

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

⑤Frequency Tolerance

Trequency roterance		
F	±10×10 ⁻⁶	
G	±15×10 ⁻⁶	
Н	±20×10 ⁻⁶	
J	±25×10 ⁻⁶	
K	±30×10 ⁻⁶	
М	±40×10 ⁻⁶	
Р	±50×10 ⁻⁶	
W	All Over	
Z	Special suffix	

Features

- Crystal unit for Consumer Products
- Ultra-miniature and low profile (2.0 \times 1.6 \times 0.40mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

©Operating Temp. Range **③**Frequency Temp. Stability

	①	Q	R	S	Т	V	W
6		±30ppm	±40ppm	±50ppm	±100ppm	±150ppm	±200ppm
L	-30 to 85°C	✓	✓	✓	✓	✓	✓
P	-40 to 85°C	✓	✓	✓	✓	✓	✓
R	-40 to 105°C	✓	✓	✓	✓	✓	✓
S	-40 to 125°C			✓	✓	✓	✓
Т	-40 to 150°C				✓	✓	✓

®Individual Specification (STD Specification is "HH" .)

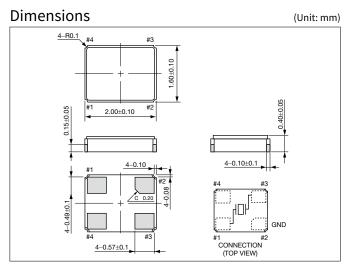
Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f_nom	16000 to 60000	kHz	Please contact us for other frequency range.
Overtone Order	ОТ	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	10 μ W(100 μ W 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
Shunt capacitance	C0	2.0max.	pF	

◆Table 1 Motional Series Resistance ESR (C1)

Frequency (MHz)	ESR (Ohm)
16≦F<18	200
18≦F<20	150
20≦F<24	100
24≦F<26	80
26≦F<40	60
40≦F≦60	50

Please contact us for other specifications.



Recommended Land Pattern



