

Crystal Units

Surface Mount Type CX1255GB (CX-5FD)



11.8×5.5mm for Consumer Products



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Small and low profile (11.8×5.5×1.8mm)
- Ceramic package
- Product with lead free terminations
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- Car audio and accessories

How to Order

CX1255GB 04000 □ □ □ □ □ □

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency
③ Load Capacitance ④ Frequency Stability
⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
⑦ Individual Specification... Std.Spec. as "ZZ"

H0 12 pF Std. P ±50×10⁻⁶ Std.

ES -10 to +70°C ±50×10⁻⁶ Std.

ZZ Individual Specification... Std.Spec. as "ZZ"

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	3500 to 28999	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	12	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
3579.545	CX1255GB03579H0PESZZ
3686.400	CX1255GB03686H0PESZZ
4000.000	CX1255GB04000H0PESZZ
6000.000	CX1255GB06000H0PESZZ
8000.000	CX1255GB08000H0PESZZ
12000.000	CX1255GB12000H0PESZZ
14318.180	CX1255GB14318H0PESZZ
16000.000	CX1255GB16000H0PESZZ
16934.400	CX1255GB16934H0PESZZ
19660.800	CX1255GB19660H0PESZZ
20000.000	CX1255GB20000H0PESZZ

Table1 Motional Series Resistance

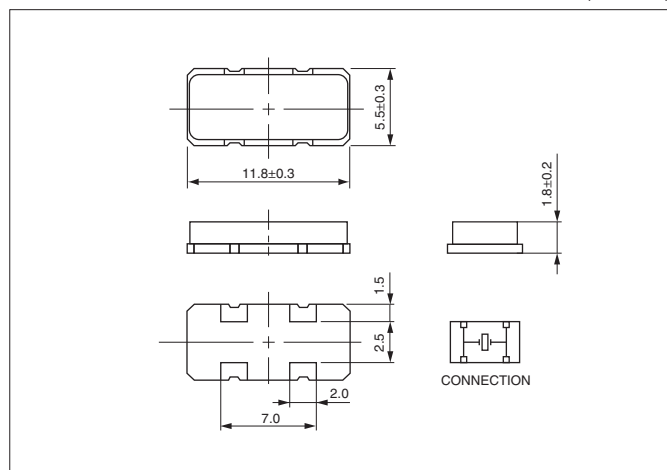
Frequency Range	Motional Series Resistance	Units
3500 to 3999kHz	300 max.	ohm
4000 to 7999kHz	200 max.	
8000 to 11999kHz	120 max.	
12000 to 28999kHz	100 max.	

Table2 Level of Drive

Frequency Range	Drive Level	Units
3500 to 15999kHz	10 (500 max.)	μW
16000 to 24999kHz	10 (300 max.)	
25000 to 28999kHz	10 (100 max.)	

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

