

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
- 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
- |           |              |      |          |                         |      |
|-----------|--------------|------|----------|-------------------------|------|
| <b>H0</b> | 12 pF        | Std. | <b>P</b> | $\pm 50 \times 10^{-6}$ | Std. |
| <b>ES</b> | -10 to +70°C |      |          | $\pm 50 \times 10^{-6}$ | Std. |

Packaging (Tape & Reel 1000 pcs./ reel)

Typical Frequencies and Part Numbers

Frequency (kHz)	Part Number
3579.545	CX1255GB03579H0PESZ1
3686.400	CX1255GB03686H0PESZ1
4000.000	CX1255GB04000H0PESZ1
6000.000	CX1255GB06000H0PESZ1
8000.000	CX1255GB08000H0PESZ1
12000.000	CX1255GB12000H0PESZ1
14318.180	CX1255GB14318H0PESZ1
16000.000	CX1255GB16000H0PESZ1
16934.400	CX1255GB16934H0PESZ1
19660.800	CX1255GB19660H0PESZ1
20000.000	CX1255GB20000H0PESZ1

**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	$f_{tol}$	$\pm 50$	$\times 10^{-6}$	25°C $\pm 3$ °C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	$\mu W$	
Operating Temp. Range	$T_{use}$	-10 to +70	°C	
Storage Temp. Range	$T_{stg}$	-40 to +85	°C	
Frequency Temp. Characteristics	$f_{tem}$	$\pm 50$	$\times 10^{-6}$	Freq. deviation from the value at 25°C

• Please contact us for other specifications.

**Table1 Motional Series Resistance**

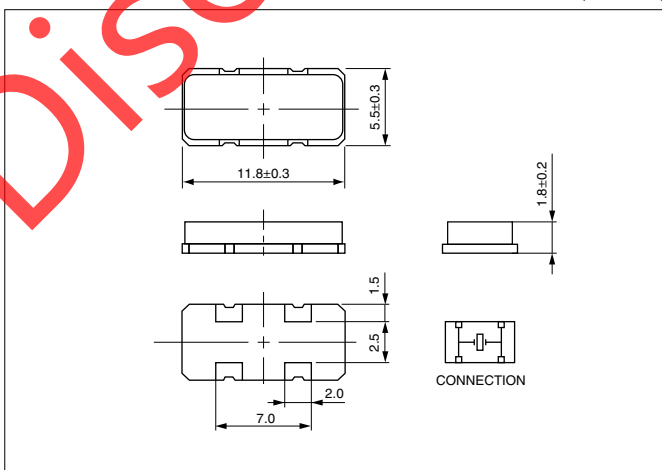
Frequency Range	Motional Series Resistance
3500 to 3999kHz	200 $\Omega$ max.
4000 to 7999kHz	180 $\Omega$ max.
8000 to 11999kHz	120 $\Omega$ max.
12000 to 28999kHz	80 $\Omega$ max.

**Table2 Level of Drive**

Frequency Range	Level of Drive
3500 to 15999kHz	10 $\mu W$ (500 $\mu W$ max.)
16000 to 24999kHz	10 $\mu W$ (300 $\mu W$ max.)
25000 to 28999kHz	10 $\mu W$ (100 $\mu W$ max.)

**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)

