Crystal Units
Surface Mount Type CX8045GB (CX-8045G)

8.0×4.5mm for Consumer Products

RoHS Compliant

Features

- Crystal unit for Consumer Products
- Small and low profile (8.0×4.5×1.8mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products
- Car audio and accessories

How to Order

CX8045GB 07200 □□ □ □ □ □□

① ② ③ ④ ⑤ ⑥ ⑦

① Series ② Frequency

③ Load Capacitance ④ Frequency Tolerance

H0	12 pF	H	±20×10⁻⁶

⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EQ	−10 to +70°C	±30×10⁻⁶	to 40000kHz
ET	−10 to +70°C	±100×10⁻⁶	from 40001kHz

⑦ Individual Specification

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

Specifications

Item	Symbol	Specification		Units	Remarks
Frequency Range	f_nom	4000 to 48000		kHz	
Overtone Order	OT	Fundamental		—	
Load Capacitance	CL	8	12	pF	
Frequency Tolerance	f_tol	±20		×10⁻⁶	25°C±3°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	±30 (4000 to 40000kHz)	±100 (40001 to 48000kHz)	×10⁻⁶	Freq. deviation from the value at 25°C

• Please contact us for other specifications.

Table1 Motional Series Resistance

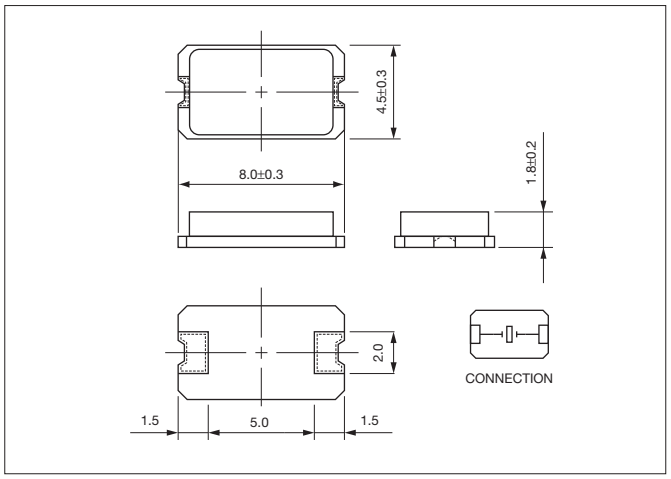
Frequency Range	Motional Series Resistance
4000≤f_nom< 7200kHz	300Ω max.
7200≤f_nom<10000kHz	200Ω max.
10000≤f_nom<12000kHz	150Ω max.
12000≤f_nom≤48000kHz	100Ω max.

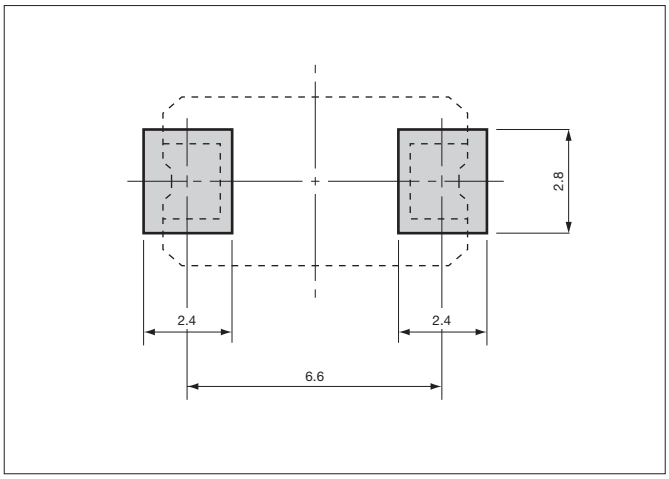
Table2 Level of Drive

Frequency Range	Level of Drive
4000≤f_nom<16000kHz	10µW (500µW max.)
16000≤f_nom<25000kHz	10µW (300µW max.)
25000≤f_nom≤48000kHz	10µW (100µW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)