

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

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** $\pm 20 \times 10^{-6}$

- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability

EQ -10 to +70°C $\pm 30 \times 10^{-6}$

- ⑦ Individual Specification

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

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	4000 to 48000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	12	pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f_{tol}	± 20	$\times 10^{-6}$	25°C $\pm 3^\circ\text{C}$
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	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

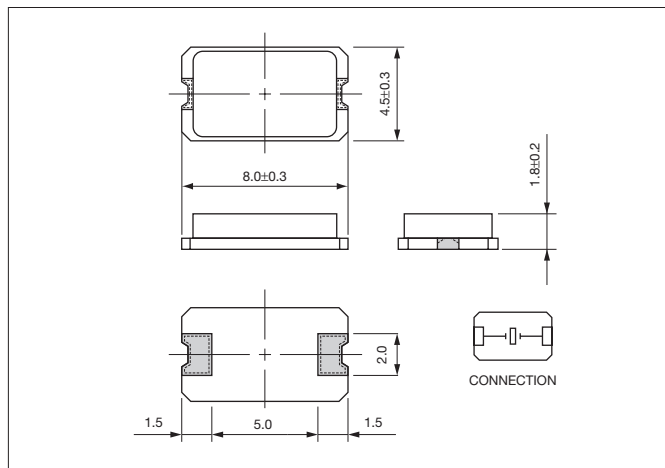
Frequency Range	Motional Series Resistance
$4000 \leq f_{nom} < 7200 \text{ kHz}$	300Ω max.
$7200 \leq f_{nom} < 10000 \text{ kHz}$	200Ω max.
$10000 \leq f_{nom} < 12000 \text{ kHz}$	150Ω max.
$12000 \leq f_{nom} \leq 48000 \text{ kHz}$	100Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
$4000 \leq f_{nom} < 16000 \text{ kHz}$	10μW (500μW max.)
$16000 \leq f_{nom} < 25000 \text{ kHz}$	10μW (300μW max.)
$25000 \leq f_{nom} \leq 48000 \text{ kHz}$	10μW (100μW max.)

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

