

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

CX8045GA 08000 □ □ □ □ □ □

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series ② Frequency
③ Load Capacitance ④ Frequency Tolerance
⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
⑦ Individual Specification

H0 12 pF Q $\pm 50 \times 10^{-6}$

EQ -10 to +70°C $\pm 50 \times 10^{-6}$

Packaging (Tape & Reel 1000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f_{nom}	4000 to 8000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	12	pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f_{tol}	± 100	$\times 10^{-6}$	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}	± 50	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

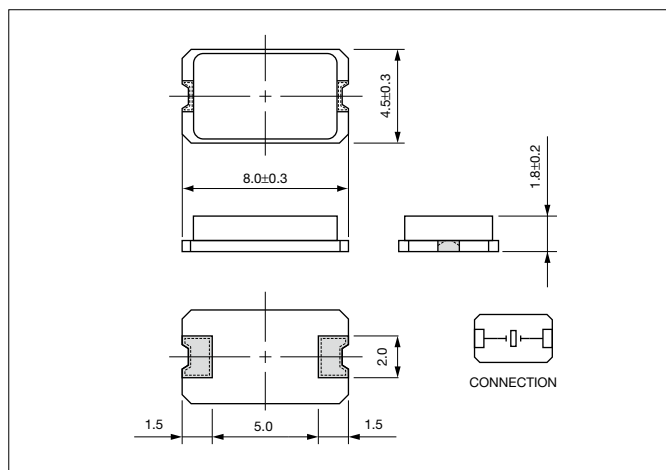
Frequency Range	Motional Series Resistance
$4000 \leq f_{nom} < 8000 \text{ kHz}$	300Ω max.

Table2 Level of Drive

Frequency Range	Level of Drive
$4000 \leq f_{nom} < 8000 \text{ kHz}$	10μW (500μW max.)

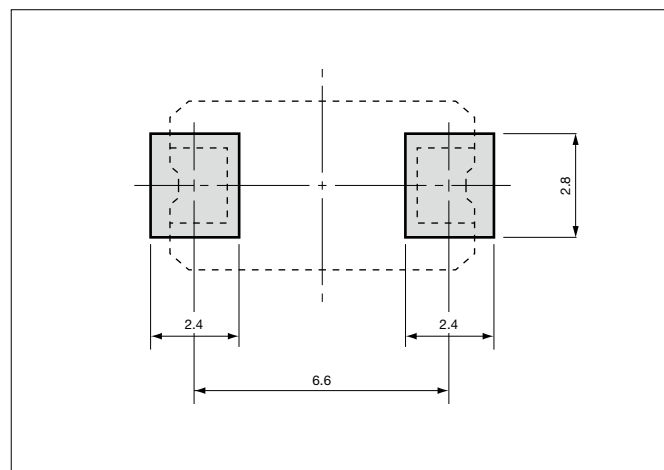
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

Authorized Distributor

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[CX8045GA04000H0PST03](#) [CX8045GA16000D0QSWZ1](#) [CX8045GA08000H0QSWZ1](#)