

8.0×4.5mm for Automotive



RoHS Compliant

Features

- Crystal unit for automotive electronics
- Small and low profile (8.0×4.5×1.8mm)
- Ceramic package
- Product with lead free terminations
- Reflow compatible

Applications

- Engine Control, TPMS

How to Order

CX8045GA 08000

① ② ③ ④ ⑤ ⑥ ⑦

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

Typical Frequencies

Code	Frequency (kHz)
08000	8000.000
09843	9843.000
10000	10000.000
12000	12000.000
13560	13560.000
14000	14000.000
16000	16000.000
18000	18000.000
20000	20000.000
24000	24000.000
25000	25000.000
30000	30000.000

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	8000 to 30000	kHz	
Overtone Order	OT	Fundamental	—	
Frequency Tolerance	f _{tol}	±100	×10 ⁻⁶	@ 25°C
Frequency Temp. Characteristics	f _{tem}	±200	×10 ⁻⁶	ref. @ 25°C Over Operating Temp. Range
Motional Series Resistance	R1	Table 1	ohm	
Level of Drive	DL	Table 2	μW	
Load Capacitance	CL	12	pF	
Operating Temp. Range	T _{use}	-40 to +125	°C	
Storage Temp. Range	T _{stg}	-40 to +150	°C	

* Please inquire about specifications other than the above.

Table1 Motional Series Resistances

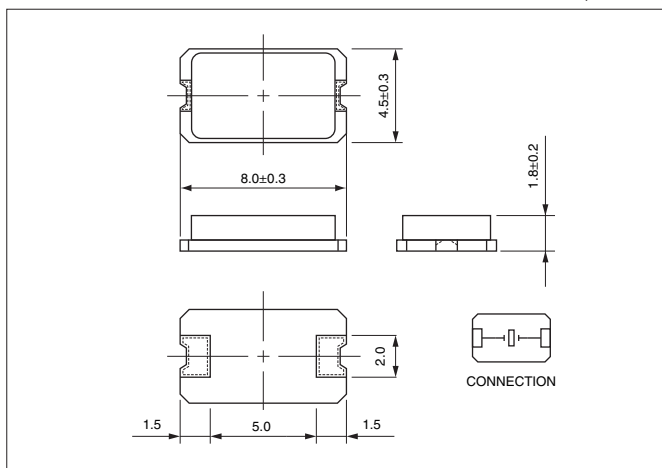
Frequency Range	Motional Series Resistance	Units
8000 to 9999kHz	200 max.	ohm
10000 to 11999kHz	150 max.	
12000 to 30000kHz	100 max.	

Table2 Level of Drive

Frequency Range	Level of Drive	Units
8000 to 15999kHz	10 (500 max.)	μW
16000 to 24999kHz	10 (300 max.)	
25000 to 30000kHz	10 (100 max.)	

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

