

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
- Reflow compatible
- AEC-Q200 qualified

**Applications**

- ECU

**How to Order**

**CX8045GA 08000 HO Q T V Z1**  
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 (STD Specification is "Z1")

<b>HO</b>	12 pF	<b>Q</b>	±100×10 <sup>-6</sup>
<b>TV</b>	-40 to +150°C		±150×10 <sup>-6</sup>

Packaging (Tape & Reel 1000 pcs./ reel)

**Specifications**

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	4000 to 8000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	12	pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f <sub>tol</sub>	±50	×10 <sup>-6</sup>	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	Table 2	μW	
Operating Temp. Range	T <sub>use</sub>	-40 to +150	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +150	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±150	×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

Please contact us for other specifications.

**Table1 Motional Series Resistance**

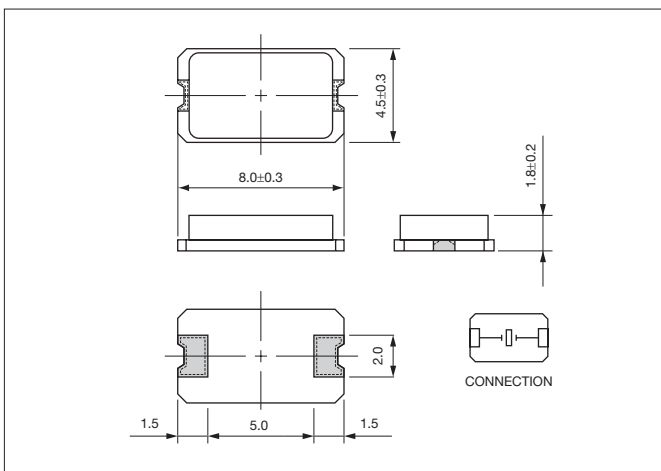
Frequency Range	Motional Series Resistance
4000 ≤ f <sub>nom</sub> < 8000kHz	300Ω max.

**Table2 Level of Drive**

Frequency Range	Level of Drive
4000 ≤ f <sub>nom</sub> < 8000kHz	10μW (500μW max.)

**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)

