



3.2×2.5mm for Automotive



AEC-Q200



RoHS Compliant

### Features

- Crystal unit for automotive electronics
- Improved solderability
- Small and low profile (3.2×2.5×0.85mm)
- Ceramic package
- Reflow compatible
- Acceptable heat cycle solder junction for 3000 cycles (−40 to +125°C)

### Applications

- ECU
- TPMS
- High-Speed Automotive Network

### How to Order

CX3225GA 16000 D0 P T V □□  
① ② ③ ④ ⑤ ⑥ ⑦

①Series

②Frequency

③Load Capacitance

④Frequency Tolerance

D0 8 pF

P ±50×10<sup>−6</sup>

⑤Operating Temp. Range ⑥Frequency Temp. Stability

TV −40 to +150°C

±150×10<sup>−6</sup>

⑦Individual Specification

Packaging (Tape & Reel 3000 pcs./ reel)

### Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f <sub>nom</sub>	8 / 12 / 16 / 20 / 25 / 40	MHz	Please contact us for other frequency range.
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
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	10μW(200μW max.)	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

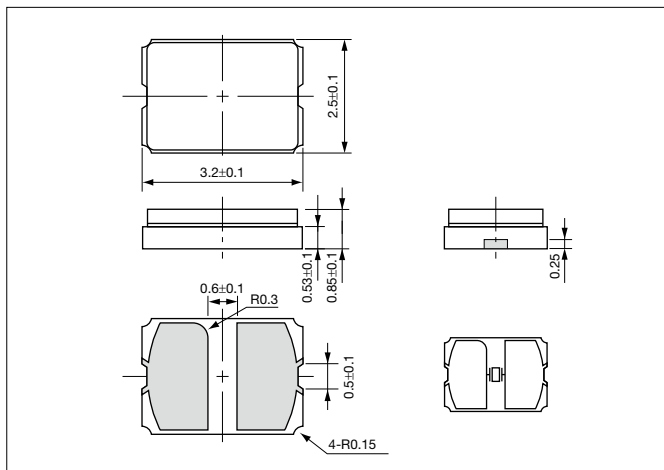
Please contact us for other specifications.

Table 1 Motional Series Resistance Please contact us for other frequency range.

Frequency	Motional Series Resistance
8MHz	500 Ω max.
12MHz	200 Ω max.
20MHz	100 Ω max.

### Dimensions

(Unit: mm)



### Recommended Land Pattern

(Unit: mm)

