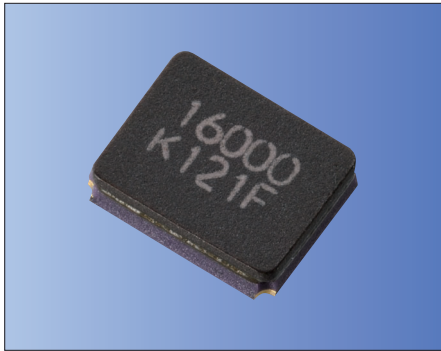




3.2×2.5mm for Automotive



AEC-Q200 RoHS Compliant

**Features**

- Crystal unit for automotive electronics
- Small and low profile (3.2×2.5×0.80mm)
- Ceramic package
- Reflow compatible

**Applications**

- ECU
- High-Speed Automotive Network

**How to Order**

CX3225CA 16000 D0 P S V CC  
① ② ③ ④ ⑤ ⑥ ⑦

①Series	②Frequency
③Load Capacitance	④Frequency Tolerance
<b>D0</b>	<b>P</b>
8 pF	±50×10 <sup>-6</sup>
⑤Operating Temp. Range	⑥Frequency Temp. Stability
<b>SV</b>	<b>P</b>
-40 to +125°C	±150×10 <sup>-6</sup>
⑦Individual Specification (STD Standard is "CC").	

Packaging (Tape & Reel 3000 pcs./ reel)

**Specifications**

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f <sub>nom</sub>	12000 to 54000	kHz	
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	Table 2	μW	
Operating Temp. Range	T <sub>use</sub>	-40 to +125	°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**

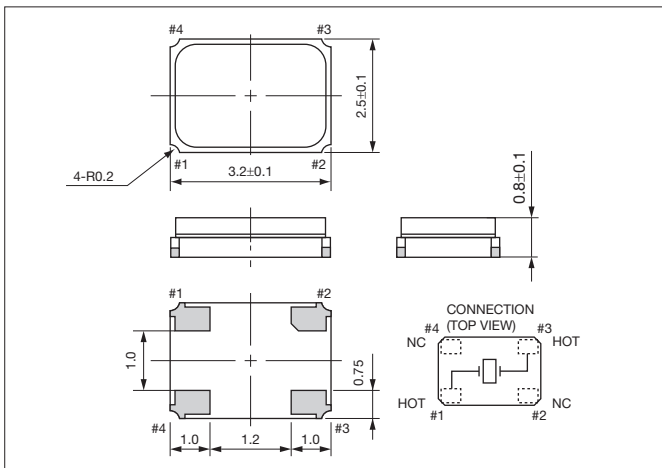
Frequency Range	Motional Series Resistance
12000 ≤ f <sub>nom</sub> < 13560kHz	200 Ω max.
13560 ≤ f <sub>nom</sub> < 16000kHz	120 Ω max.
16000 ≤ f <sub>nom</sub> ≤ 54000kHz	100 Ω max.

**Table 2 Level of Drive**

Frequency Range	Level of Drive
12000 ≤ f <sub>nom</sub> ≤ 54000kHz	10μW (200μW max.)

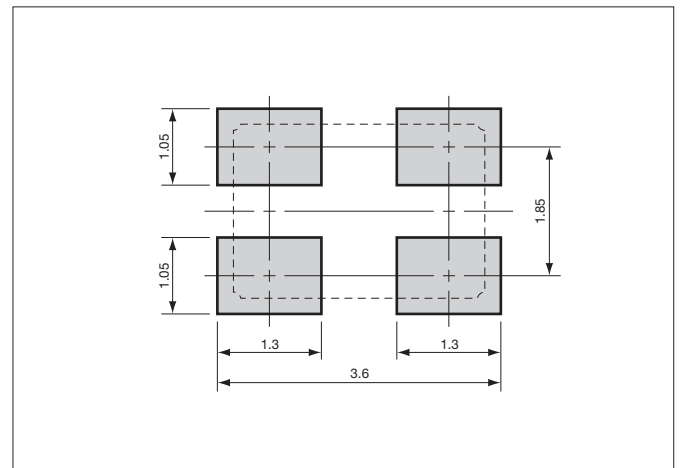
**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)



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