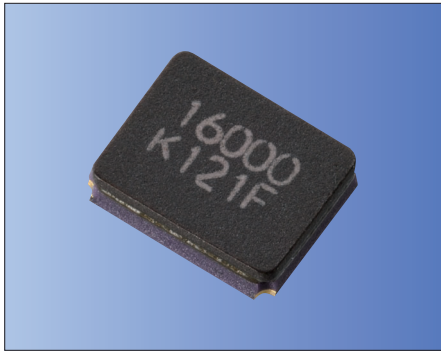




3.2×2.5mm for Automotive



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 |
| D0 | P |
| 8 pF | ±50×10 ⁻⁶ |
| ⑤Operating Temp. Range | ⑥Frequency Temp. Stability |
| SV | P |
| -40 to +125°C | ±150×10 ⁻⁶ |
| ⑦Individual Specification (STD Standard is "CC"). | |

Packaging (Tape & Reel 3000 pcs./ reel)

Specifications

| Item | Symbol | Specification | Unit | Remarks |
|---------------------------------|------------------|----------------|-------------------|--|
| Frequency Range | f _{nom} | 12000 to 54000 | kHz | |
| Overtone Order | OT | Fundamental | — | |
| Load Capacitance | CL | 8 | pF | Please contact us for other CL requirements. |
| Frequency Tolerance | f _{tol} | ±50 | ×10 ⁻⁶ | 25°C±3°C |
| Motional Series Resistance | R1 | Table 1 | ohm | |
| Drive Level | DL | Table 2 | μW | |
| Operating Temp. Range | T _{use} | -40 to +125 | °C | |
| Storage Temp. Range | T _{stg} | -40 to +150 | °C | |
| Frequency Temp. Characteristics | f _{tem} | ±150 | ×10 ⁻⁶ | Freq. deviation from the value at 25°C |

Please contact us for other specifications.

Table 1 Motional Series Resistance

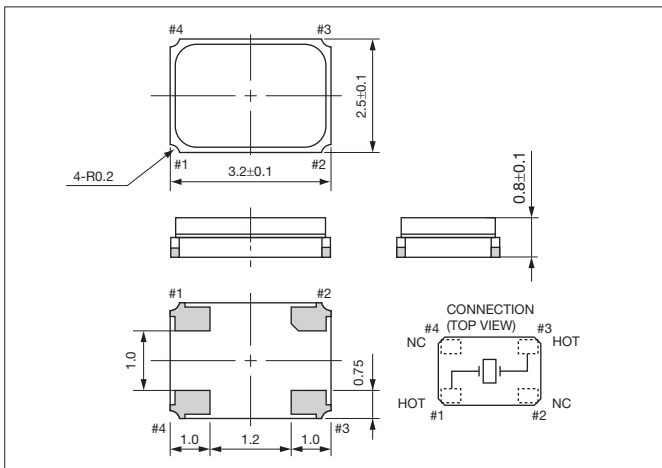
| Frequency Range | Motional Series Resistance |
|-------------------------------------|----------------------------|
| 12000 ≤ f _{nom} < 13560kHz | 200 Ω max. |
| 13560 ≤ f _{nom} < 16000kHz | 120 Ω max. |
| 16000 ≤ f _{nom} ≤ 54000kHz | 100 Ω max. |

Table 2 Level of Drive

| Frequency Range | Level of Drive |
|-------------------------------------|-------------------|
| 12000 ≤ f _{nom} ≤ 54000kHz | 10μW (200μW max.) |

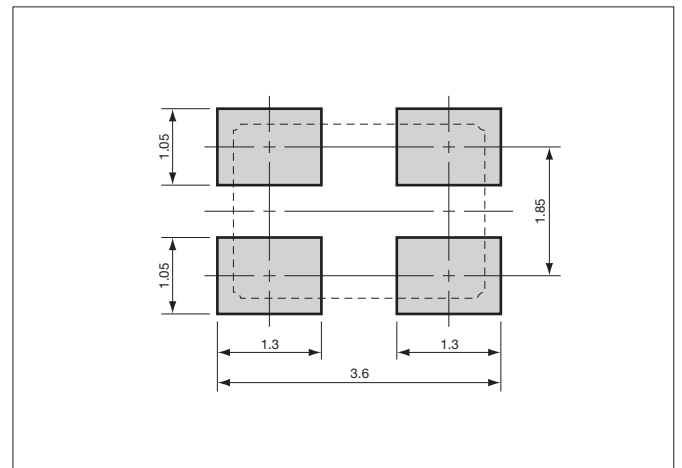
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



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