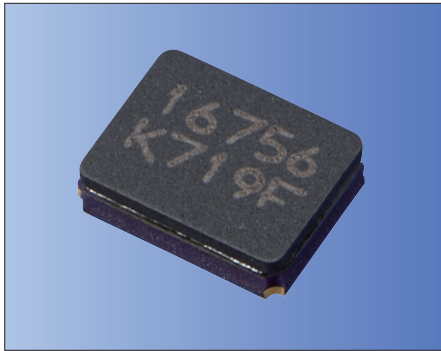




3.2×2.5mm for Consumer Products



RoHS Compliant

Features

- Crystal unit for Consumer Products
- Small and low profile 0.9mm max. (3.2×2.5×0.8mm)
- Ceramic package
- Reflow compatible

Applications

- Digital Electronics
- Consumer Products

How to Order

CX3225GB 27000 D0 H E Q CC
① ② ③ ④ ⑤ ⑥ ⑦

| | |
|------------------------|-------------------------------|
| ①Series | ②Frequency |
| ③Load Capacitance | ④Frequency Tolerance |
| <u>D0</u> 8 pF | <u>H</u> ±20×10 ⁻⁶ |
| ⑤Operating Temp. Range | ⑥Frequency Temp. Stability |
| <u>EQ</u> -10 to +70°C | ±30×10 ⁻⁶ |

⑦Individual Specification
(STD Specification 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} | ±20 | ×10 ⁻⁶ | 25°C±3°C |
| Motional Series Resistance | R1 | Table 1 | ohm | |
| Drive Level | DL | Table 2 | μW | |
| Operating Temp. Range | T _{use} | -10 to +70 | °C | |
| Storage Temp. Range | T _{stg} | -40 to +85 | °C | |
| Frequency Temp. Characteristics | f _{tem} | ±30 | ×10 ⁻⁶ | Freq. deviation from the value at 25°C |

Please contact us for other specifications.

Table 1 Motional Series Resistance

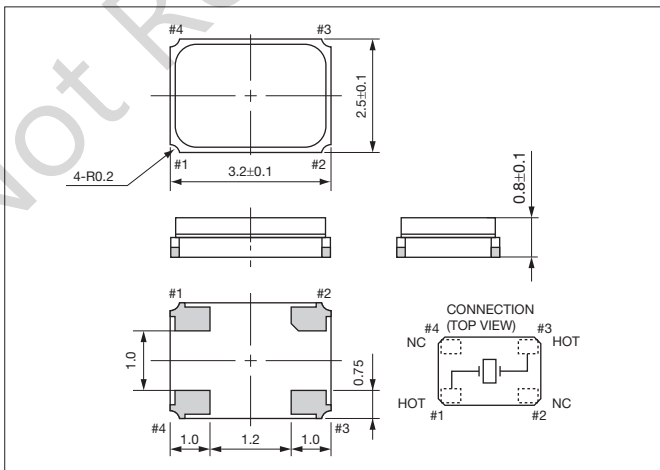
| Frequency Range | Motional Series Resistance |
|-------------------------------------|----------------------------|
| 12000 ≤ f _{nom} < 13000kHz | 150 Ω max. |
| 13000 ≤ f _{nom} < 14000kHz | 100 Ω max. |
| 14000 ≤ f _{nom} < 20000kHz | 80 Ω max. |
| 20000 ≤ f _{nom} < 27000kHz | 60 Ω max. |
| 27000 ≤ f _{nom} ≤ 54000kHz | 50 Ω max. |

Table 2 Level of Drive

| Frequency Range | Level of Drive |
|-------------------------------------|-------------------|
| 12000 ≤ f _{nom} ≤ 54000kHz | 10μW (100μW max.) |

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

