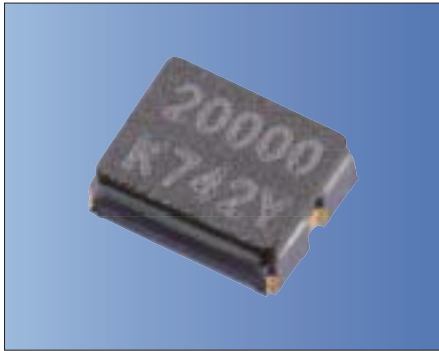


2.0×1.6mm for Automotive



RoHS Compliant

Features

- Crystal unit for automotive electronics
- Ultra-miniature and low profile (2.0×1.6×0.8mm)
- Ceramic package
- Reflow compatible
- AEC-Q200 qualified

Applications

- ECU
- Automotive Camera
- Radar

How to Order

CX2016GR 27000 D0 G T V □ □
 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

D0 8 pF **G** ±15×10⁻⁶

TV -40 to +150°C ±150×10⁻⁶

Packaging (Tape & Reel 3000/ 15000 pcs./ reel)

Specifications

| Item | Symbol | Specification | Units | Remarks |
|---------------------------------|------------------|----------------|-------------------|---|
| Frequency Range | f _{nom} | 16000 to 60000 | kHz | |
| Overtone Order | OT | Fundamental | — | |
| Load Capacitance | CL | 8 | pF | Please contact us for other Load Capacitance. |
| Frequency Tolerance | f _{tol} | ±15 | ×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 +150 | °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.

Table1 Motional Series Resistance

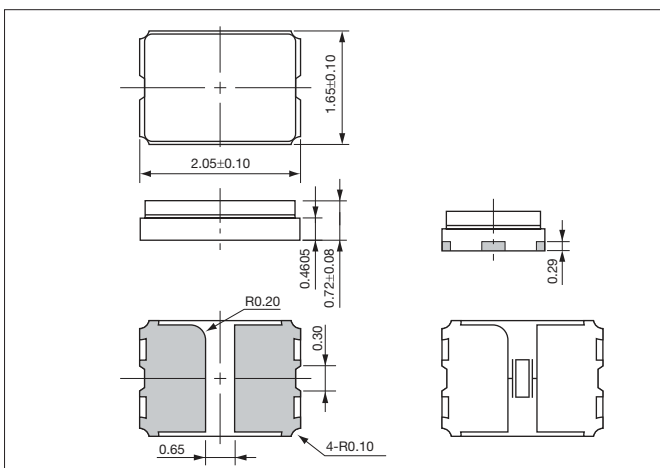
| Frequency Range | Motional Series Resistance |
|-------------------------------------|----------------------------|
| 16000 ≤ f _{nom} < 18000kHz | 300Ω max. |
| 18000 ≤ f _{nom} < 20000kHz | 200Ω max. |
| 20000 ≤ f _{nom} < 40000kHz | 100Ω max. |
| 40000 ≤ f _{nom} ≤ 64000kHz | 50Ω max. |

Table2 Level of Drive

| Frequency Range | Level of Drive |
|-------------------------------------|-------------------|
| 16000 ≤ f _{nom} < 64000kHz | 10μW (200μW max.) |

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

