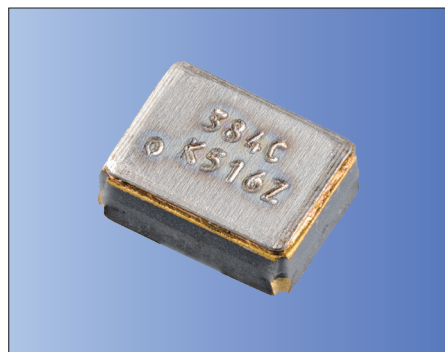




1.6×1.2mm for Mobile Communications



RoHS対応品

Features

- Crystal Unit with Thermistor
- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability

Applications

- Mobile Communications, GNSS

How to Order

CT1612DB 38400 ☐ ☐ ☐ ☐ ☐ ☐ ☐

- ① Series ② Frequency ③ Load Capacitance ④ Frequency Tolerance
- | | | | | | |
|----|------|------|---|-------------------------|------|
| B0 | 6 pF | — | F | $\pm 10 \times 10^{-6}$ | Std. |
| C0 | 7 pF | — | G | $\pm 15 \times 10^{-6}$ | — |
| D0 | 8 pF | Std. | | | |
- ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
- | | | |
|----|--------------|---|
| LH | −30 to +85°C | $\pm 12 \times 10^{-6}$ (at −30 to +85°C) |
|----|--------------|---|
- ⑦ Individual Specification

Packaging (Tape & Reel 12000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	38400 to 76800	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	8	pF	Please contact us for other CL requirements.
Frequency Tolerance	f _{tol}	±10	×10 ^{−6}	25°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10	μW	100μW max.
Operating Temp. Range	T _{use}	−30 to +85	°C	
Storage Temp. Range	T _{stg}	−40 to +105	°C	
Frequency Temp. Characteristics	f _{tem}	±12	×10 ^{−6}	
Thermistor Resistance	—	Table 2	ohm	25°C±3°C
Thermistor B-Constant	—	Table 3	K	25°C to 50°C

Please contact us for other specifications.

Table 1 Motional Series Resistance

Frequency Range	Motional Series Resistance
38400 to 76800kHz	80Ω max.

Table 2 Thermistor Resistance

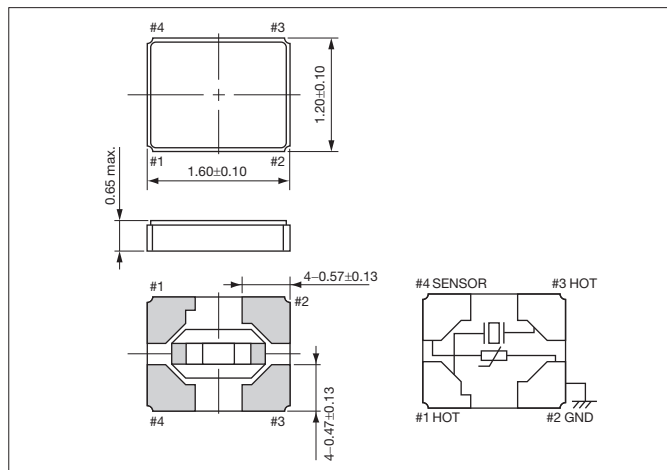
Resistance	Specification
22kΩ	±1%
100kΩ	±1%

Table 3 Thermistor B-Constant

B-Constant	Specification
3380K	±1%
4250K	±1%

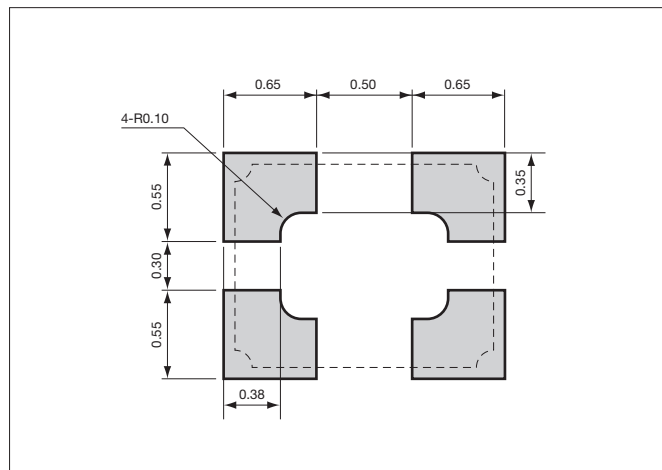
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



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