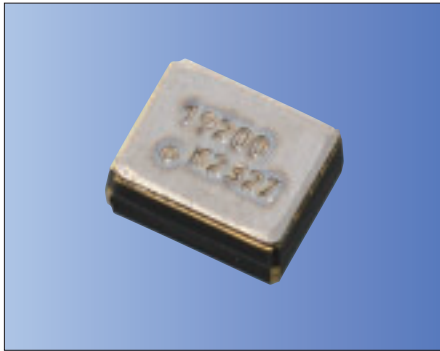


2.0×1.6mm for Mobile Communications



RoHS Compliant

Features

- Crystal Unit with Thermistor
- Height 0.65 (max.) mm is also available
- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability

Applications

- Mobile Communications, GPS

How to Order

CT2016DB 19200 □ □ □ □ □ □ □ □
 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

B0	6 pF	—	F	±10×10 ⁻⁶	Std.
C0	7 pF	Std.	G	±15×10 ⁻⁶	—
PF	-40 to +85°C	±10×10 ⁻⁶ (at -25 to +85°C)			
RH	-40 to +105°C	±12×10 ⁻⁶ (at -30 to +85°C)			

Packaging (Tape & Reel 12000 pcs./ reel)

Specifications

Item	Symbol	Specification	Units	Remarks
Frequency Range	f _{nom}	19200 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	7	pF	
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	Freq. deviation from the value at 32°C
Thermistor Resistance	—	Table 2	ohm	25°C
Thermistor B-Constant	—	Table 3	K	25°C to 50°C

Please contact us for other specifications.

Table1 Motional Series Resistance

Frequency Range	Motional Series Resistance
19200 to 25999kHz	80Ω max.
26000 to 29999kHz	60Ω max.
30000 to 60000kHz	50Ω max.

Table2 Thermistor Resistance

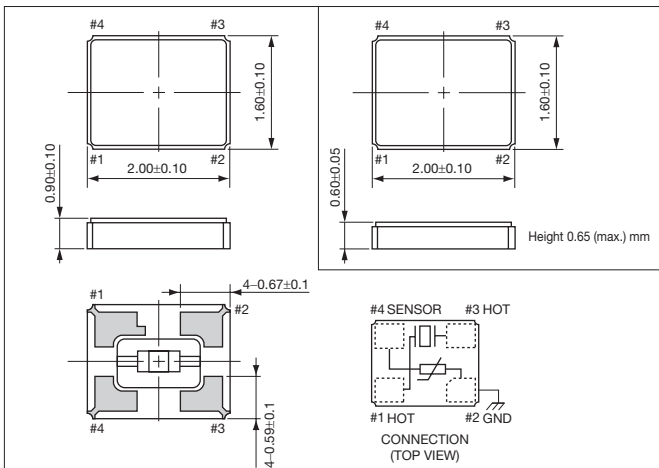
Resistance	Specification
100kΩ	±1%

Table3 Thermistor B-Constant

B-Constant	Specification
4250K	±1%

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

