

2.5×2.0mm for Mobile Communications/ Automotive



RoHS Compliant

**Features**

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- AEC-Q200 qualified

**Applications**

- Mobile Communications, Bluetooth®, Wireless LAN, GPS
- Car navigation system
- Car audio system

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**How to Order**

CT2520DB 19200

- ① Series
- ② Frequency
- ③ Load Capacitance
- ④ Frequency Tolerance

<b>B0</b>	6 pF	—	<b>F</b>	±10×10 <sup>-6</sup>	Std.
<b>C0</b>	7 pF	Std.	<b>G</b>	±15×10 <sup>-6</sup>	—

- ⑤ Operating Temp. Range
- ⑥ Frequency Temp. Stability

<b>FF</b>	-20 to +70°C	±10×10 <sup>-6</sup>
<b>LH</b>	-30 to +85°C	±12×10 <sup>-6</sup>
<b>LJ</b>	-30 to +85°C	±15×10 <sup>-6</sup>

- ⑦ Individual Specification

Packaging (Tape & Reel 12000 pcs./ reel)

**Specifications**

Item	Symbol	Specification	Units	Remarks
Frequency Range	f <sub>nom</sub>	16000 to 60000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	7	pF	
Frequency Tolerance	f <sub>tol</sub>	±10	×10 <sup>-6</sup>	30°C±3°C
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10	μW	100μW max.
Operating Temp. Range	T <sub>use</sub>	-30 to +85	°C	
Storage Temp. Range	T <sub>stg</sub>	-40 to +105	°C	
Frequency Temp. Characteristics	f <sub>tem</sub>	±12	×10 <sup>-6</sup>	Freq. deviation from the value at 30°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
16000 to 19199kHz	100Ω max.
19200 to 25999kHz	80Ω max.
26000 to 29999kHz	60Ω max.
30000 to 60000kHz	50Ω max.

**Table2 Thermistor Resistance**

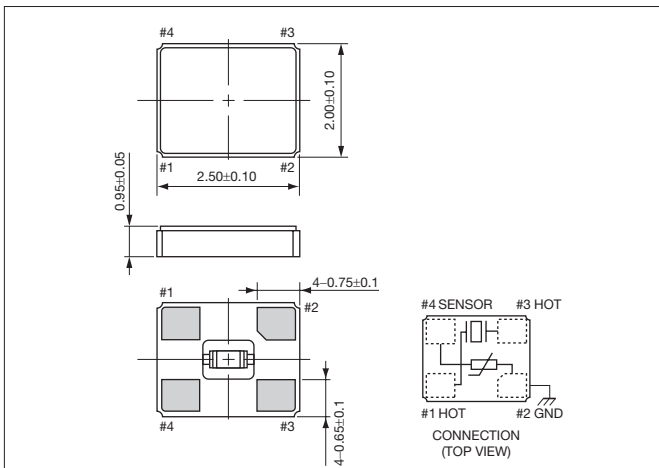
Resistance	Specification
100kΩ	±1%

**Table3 Thermistor B-Constant**

B-Constant	Specification
4250K	±1%

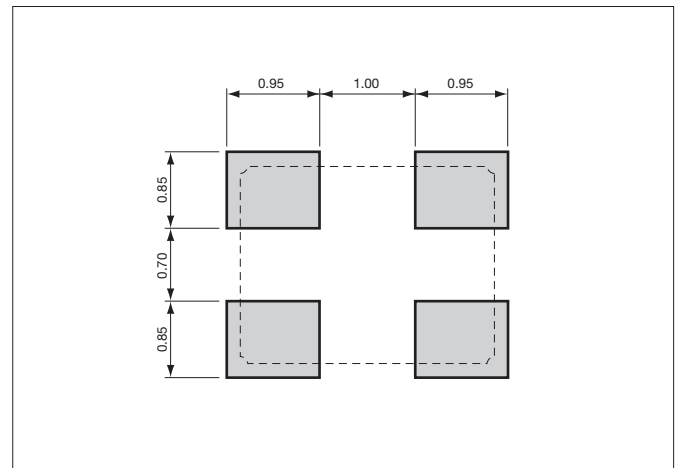
**Dimensions**

(Unit: mm)



**Recommended Land Pattern**

(Unit: mm)



单击下面可查看定价，库存，交付和生命周期等信息

[>>Kyocera\(京瓷\)](#)