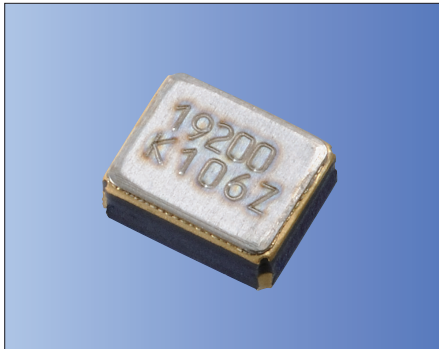




2.5×2.0mm for Mobile Communications/ Automotive



AEC-Q200

RoHS Compliant

Features

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

Applications

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

* Bluetooth® Trademarks are owned by Bluetooth SIG, Inc.

How to Order

CT2520DB 19200 □□ □ □ □ □
① ② ③ ④ ⑤ ⑥ ⑦

①Series

②Frequency

③Load Capacitance

④Frequency Tolerance

B0	6 pF	—	F	$\pm 10 \times 10^{-6}$	Std.
C0	7 pF	Std.	G	$\pm 15 \times 10^{-6}$	—

⑤Operating Temp. Range ⑥Frequency Temp. Stability

FF	−20 to +70°C	$\pm 10 \times 10^{-6}$
LH	−30 to +85°C	$\pm 12 \times 10^{-6}$
LJ	−30 to +85°C	$\pm 15 \times 10^{-6}$

⑦Individual Specification

Packaging (Tape & Reel 12000 pcs./ reel)

Table 1 Motional Series Resistance

Frequency Range	Motional Series Resistance
19200kHz	80 Ω max.
26000kHz	60 Ω max.

Table 2 Thermistor Resistance

Resistance	Specification
100k Ω	$\pm 1\%$

Table 3 Thermistor B-Constant

B-Constant	Specification
4250K	$\pm 1\%$

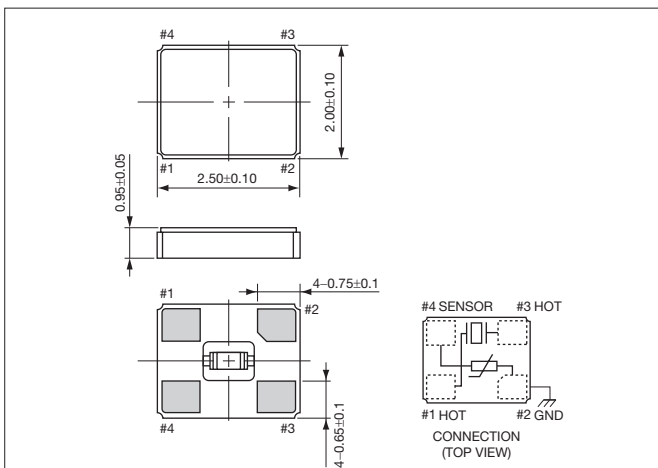
Specifications

Item	Symbol	Specification	Unit	Remarks
Frequency Range	f _{nom}	19200/ 26000	kHz	
Overtone Order	OT	Fundamental	—	
Load Capacitance	CL	7	pF	
Frequency Tolerance	f _{tol}	± 10	$\times 10^{-6}$	30°C $\pm 3^\circ\text{C}$
Motional Series Resistance	R1	Table 1	ohm	
Drive Level	DL	10	μW	100 μW 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	$\times 10^{-6}$	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.

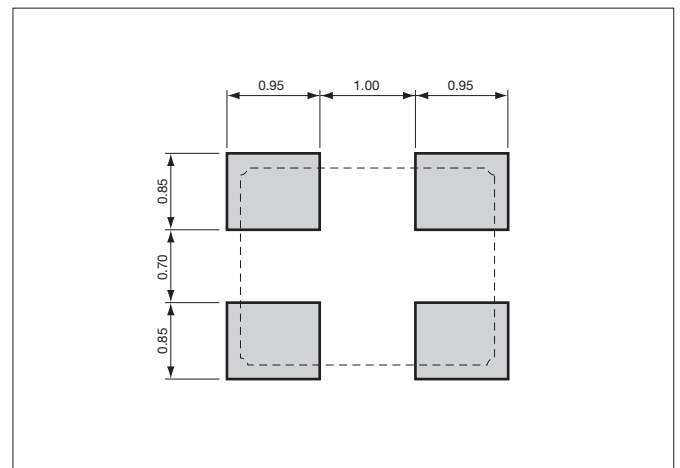
Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)



Mouser Electronics

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