

5.0×3.2mm for Mobile Communications/ Automotive



RoHS Compliant

Features

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- AEC-Q200 qualified (Please contact us for Automotive use)

Applications

- Mobile Communications, Bluetooth®, Wireless LAN
- Car Electronics

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How to Order

CX5032SB 26000 ☐ ☐ ☐ ☐ ☐ ☐ ☐

- ① Series ② Frequency
 ③ Load Capacitance ④ Frequency Tolerance
H0 12 pF **F** $\pm 10 \times 10^{-6}$
 ⑤ Operating Temp. Range ⑥ Frequency Temp. Stability
LJ -30 to +85°C $\pm 15 \times 10^{-6}$
SS -40 to +125°C $\pm 50 \times 10^{-6}$
 ⑦ Individual Specification

Packaging (Tape & Reel 1000/ 5000 pcs./ reel)

Specifications

Item	Symbol	Specification		Units	Remarks
Frequency Range	f_{nom}	9800 to 50000	50 to 80 (MHz)	kHz	
Overtone Order	OT	Fundamental	3rd. Overtone	—	
Load Capacitance	CL	12		pF	Please contact us for other Load Capacitance.
Frequency Tolerance	f_{tol}	± 10		$\times 10^{-6}$	25°C ± 3 °C
Motional Series Resistance	R1	Table 1		ohm	
Drive Level	DL	Table 2		μW	
Operating Temp. Range	T_{use}	-30 to +85	-40 to +125	°C	
Storage Temp. Range	T_{stg}	-40 to +85	-40 to +125	°C	
Frequency Temp. Characteristics	f_{tem}	± 15	± 50	$\times 10^{-6}$	Freq. deviation from the value at 25°C

Please contact us for other specifications.

Table1 Motional Series Resistance

Frequency Range	Motional Series Resistance
$9800 \leq f_{nom} < 10000 \text{ kHz}$	150Ω max.
$10000 \leq f_{nom} < 12000 \text{ kHz}$	80Ω max.
$12000 \leq f_{nom} < 26000 \text{ kHz}$	50Ω max.
$26000 \leq f_{nom} \leq 50000 \text{ kHz}$	40Ω max.
$*50 \leq f_{nom} \leq 80 \text{ (MHz)}$	80Ω max.

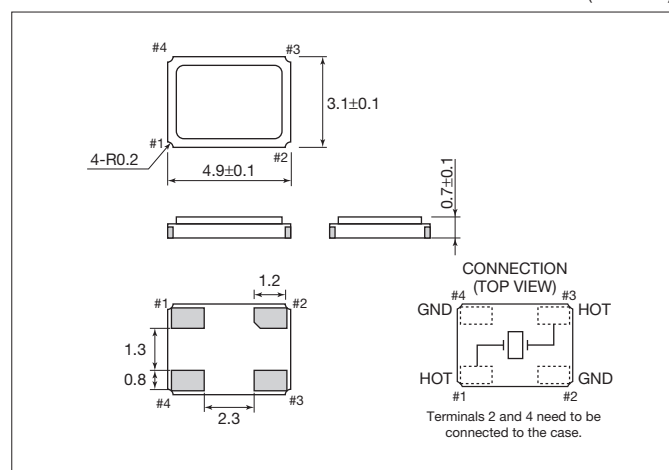
* 3rd Overtone

Table2 Level of Drive

Frequency Range	Level of Drive
$9800 \leq f_{nom} \leq 50000 \text{ kHz}$	10μW (100μW max.)
$50 \leq f_{nom} \leq 80 \text{ (MHz)}$	

Dimensions

(Unit: mm)



Recommended Land Pattern

(Unit: mm)

