

# 5.0×3.2mm for Mobile Communications



**Features** 

- Reference frequency for telecommunication systems
- Reflow compatible
- Using ceramic package resulting in high reliability
- Small and low profile

## Applications

- Mobile Communications, Bluetooth®, Wireless LAN
- Car audio and accessories
- \* Bluetooth® Trademarks are owned by Bluetooth SIG Inc.

# How to Order

$\begin{array}{c} \underline{CX5032SB} \\ \hline 1 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 5 \\ \hline 6 \\ \hline 7 \\ \hline \end{array}$					
① Series② Frequency③ Load Capacitance④ Frequency Stability					
D0	8 pF	-	F	±10×10 <sup>-6</sup>	Std.
F0	10 pF	Std.	G	±15×10 <sup>-6</sup>	-
H0	12 pF	-			
<b>S</b> 0	Series	-			
(5) Operating Temp. Range (6) Frequency Temp. Stability					
FF	–20 to +70°C		±10×10 <sup>-6</sup>		-
LJ	–30 to +85°C		±	15×10 <sup>−6</sup>	Std.

⑦ Individual Specification

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

#### Typical Frequencies and Part Numbers

Item	Symbol	Specification		Units	Remarks
Frequency Range	f_nom	9800 to 49999	50 to 80 (MHz)	kHz	
Overtone Order	ОТ	Fundamental	3rd. Overtone	_	
Load Capacitance	CL	10		pF	
Frequency Stability	f_tol	±10		×10 <sup>-6</sup>	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		°C	
Storage Temp. Range	T_stg	-40 to +85		°C	
Frequency Temp. Characteristics	f_tem	±15		×10 <sup>-6</sup>	Freq. deviation from the value at 25°C

lypical Frequencies and Part Numbers				
Frequency (kHz)	Part Number			
9843.750	CX5032SB09843F0FLJZ1			
12000.000	CX5032SB12000F0FLJZ1			
12800.000	CX5032SB12800F0FLJZ1			
13000.000	CX5032SB13000F0FLJZ1			
13560.000	CX5032SB13560F0FLJZ1			
14400.000	CX5032SB14400F0FLJZ1			
16000.000	CX5032SB16000F0FLJZ1			
19200.000	CX5032SB19200F0FLJZ1			
26000.000	CX5032SB26000F0FLJZ1			
32000.000	CX5032SB32000F0FLJZ1			
40000.000	CX5032SB40000F0FLJZ1			
48000.000	CX5032SB48000F0FLJZ1			

• Please contact us for other specifications.

**Specifications** 

# **Table1 Motional Series Resistance**

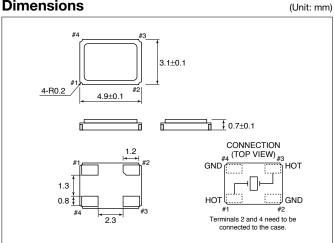
Frequency Range	Motional Series Resistance		
9800 to 9999kHz	150Ω max.		
10000 to 11999kHz	$80\Omega$ max.		
12000 to 25999kHz	$50\Omega$ max.		
26000 to 49999kHz	40Ω max.		
*50 to 80 (MHz)	80Ω max.		

## **Table2 Level of Drive**

Frequency Range	Level of Drive		
9800 to 49999kHz	10)// (100)// mov )		
50 to 80 (MHz)	10μW (100μW max.)		

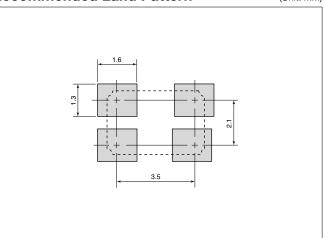
## \* 3rd Overtone

## **Dimensions**



## **Recommended Land Pattern**

(Unit: mm)



# **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Kyocera AVX: CX5032SB26000F0FLJZ1