Datasheet

SX5CB HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

5.0 x 3.2 x 1.2 mm

- Standard miniature package
- Low voltage
- Low current
- Applications: Bluetooth , Portable electronics, Wireless LAN …

Item	Specification		
Frequency Range	1.0 MHz ~ 125.0 MHz		
Output Logic	CMOS		
Overall Frequency Stability *	± 20 ppm ~ ± 100 ppm (see options)		
Operating Temperature Range	0 ~ +70°C commercial application (see options) -40 ~ +85°C industrial application (see options)		
Supply Voltage Vdd	+1.2V ±5%		+1.5V ±5%
Supply Current Idd	4 mA max		5 mA max
Output Level	VOH ≥ 0.9 Vdd	VOL ≤ 0.1 Vdd	
Output Load	15 pF		
Symmetry	45 / 55 %		
Rise Time / Fall Time Fr/Ff	2 ~ 8 ns		
Tri-state function	pin #1 = high or open pin #1 = low		pin #3 = oscillation pin #3 = high impedance
Start-up Time	10 ms max.		
RMS Jitter (12 kHz to 20 MHz band)	1 ps max.		
Packing Unit	1000pcs / reel		
Soldering Condition	260°C , 10 sec x2 max		
	Customer specifications on request		

(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

SX5CB .... - ..... MHz

Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
12 = +1.2V	**E =** 0° / +70°C	**20 =** ±20 ppm	**E =** Tri-state	**Blanc =** 15 pF	Please specify the frequency in MHz
15 = +1.5V	**F =** -20° / +70°C	**25 =** ±25 ppm			
	K = -40° / +85°C	**30 =** ±30 ppm			
		50 = ±50 ppm			
		100 = ±100 ppm			

(*) Note : Not all combinations are possible, please consult us.

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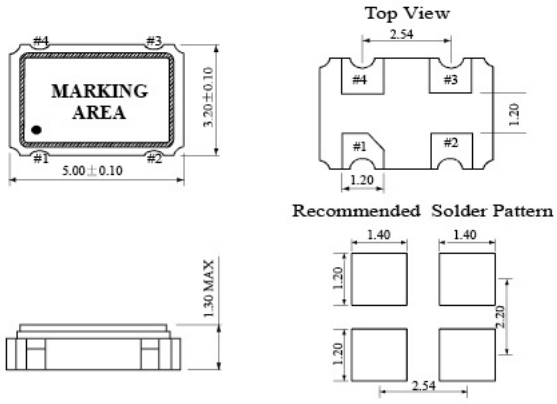
OUTLINE DIMENSIONS



Pin Connections	**#1** : E/D	**#2** : GND	**#3**: Output	**#4** : Vdd

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