

## SX5CL

## HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

### FEATURES

- Standard miniature package
- Ultra low current consumption
- Applications: Hand-held consumer electronics

5.0 x 3.2 x 1.3 mm



Item	Specification
Frequency Range	0.5 MHz - 50.0 MHz
Output Logic	CMOS
Overall Frequency Stability *	± 25 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	+1.8V ±5%                      +2.5V ±5%                      +3.3V ±5%
Supply Current Idd	<b>&lt;27 MHz</b> 1.1 mA typ.                      1.6 mA typ.                      2.2 mA typ. <b>&gt;27 MHz</b> 2.0 mA typ.                      2.8 mA typ.                      3.8 mA typ.
Output Level	VOH ≥ 0.9 Vdd                      VOL ≤ 0.1 Vdd
Output Load	15 pF
Symmetry	45 / 55 %
Rise Time / Fall Time Fr/Ff	4 ~ 8 ns
Tri-state function	pin #1 = high or open                      pin #3 = oscillation pin #1 = low                      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
	<b>Customer specifications on request</b>

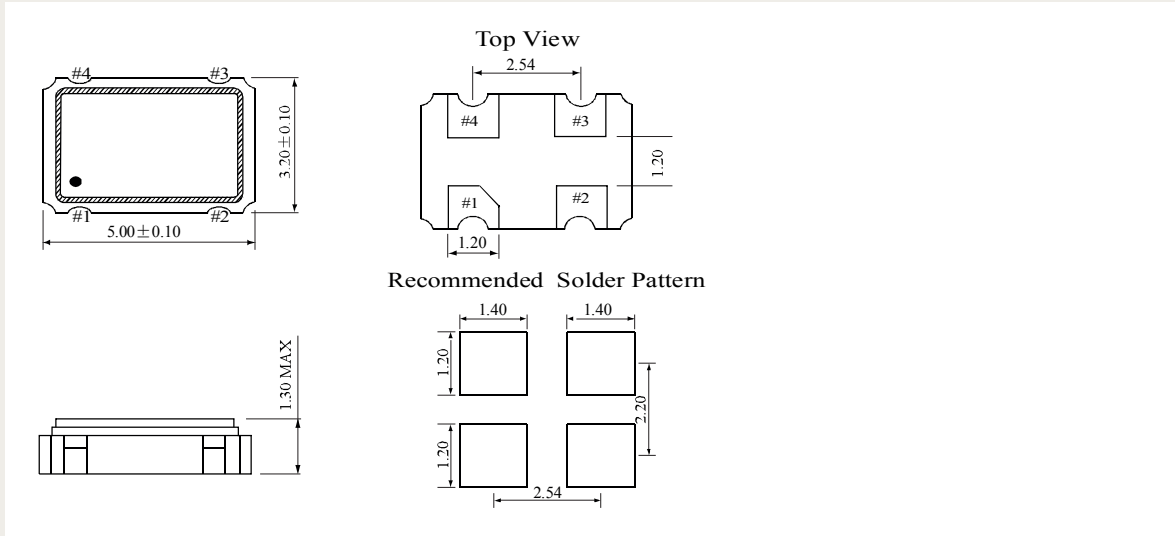
(\*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

### OPTIONS & ORDERING INFORMATION

SX5CL .....	.....	.....	.....	.....	..... MHz
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
<b>18</b> = +1.8V	<b>E</b> = 0° / +70 °C	<b>25</b> = ±25 ppm	<b>E</b> = Tri-state	<b>Blanc</b> = 15 pF	Please specify the frequency in MHz
<b>25</b> = +2.5V	<b>F</b> = -20° / +70 °C	<b>30</b> = ±30 ppm			
<b>33</b> = +3.3V	<b>K</b> = -40° / +85 °C	<b>50</b> = ±50 ppm			
		<b>100</b> = ±100 ppm			

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

## OUTLINE DIMENSIONS



**Pin Connections**

#1 : E/D

#2 : GND

#3 : Output

#4 : Vdd