

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	<27 MHz 1.1 mA typ. 1.6 mA typ. 2.2 mA typ. >27 MHz 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
	Customer specifications on request

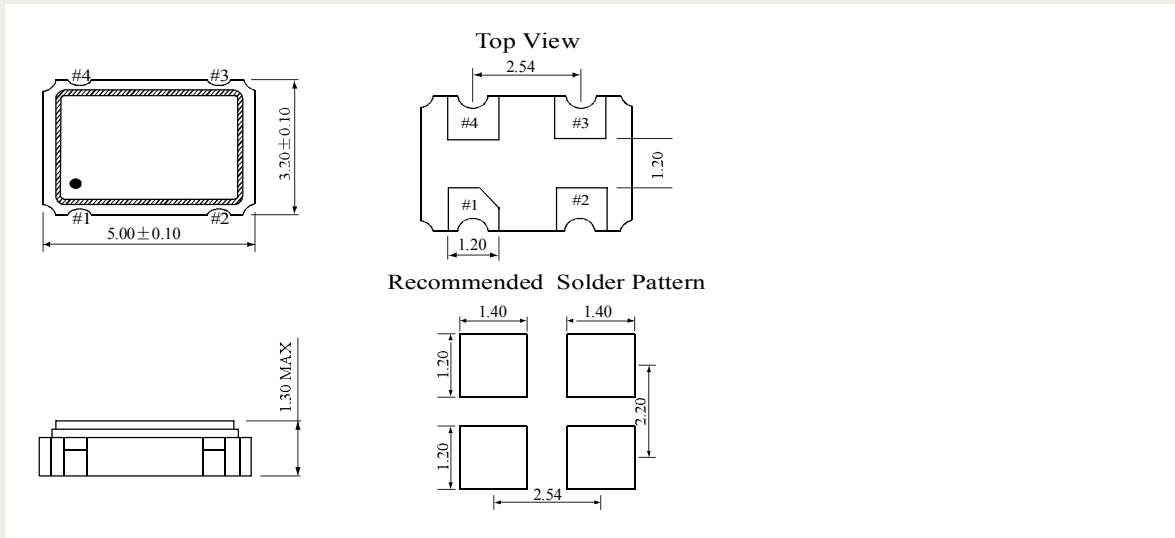
(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

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

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

OUTLINE DIMENSIONS



Pin Connections

#1 : E/D

#2 : GND

#3: Output

#4 : Vdd