SX3CL

HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

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

3.2 x 2.5 x 1.1 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 #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	3000pcs / 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

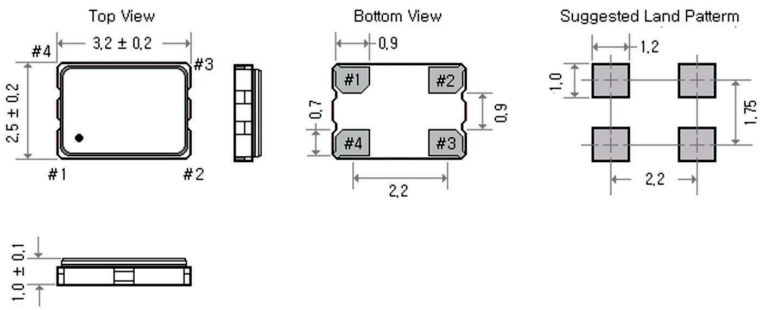
OPTIONS & ORDERING INFORMATION

SX3CL .... - ..... MHz

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