

SX1C

HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Smallest industry package
- High shock and vibrational resistivity
- Applications: Telecommunications, Portable electronics, IoT, ...

2.0 x 1.6 x 0.8 mm



Item	Specification
Frequency Range	1.0 MHz ~ 80.0 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	+1.8V ±5% +2.5V ±5% +2.8V ±5% +3.0V ±5% +3.3V ±5%
Supply Current Idd	2.5 mA ~ 35 mA
Output Level	VOH ≥ 0.9 Vdd 15 VOL ≤ 0.1 Vdd
Output Load	15pF
Symmetry	45 / 55 %
Rise Time / Fall Time Fr/Ff	3 ~ 5 ns
Tri-state function	pin #1 = high or open pin #3 = oscillation pin #1 = low pin #3 = disable
Standby current	10 µA max
Start-up Time	5 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

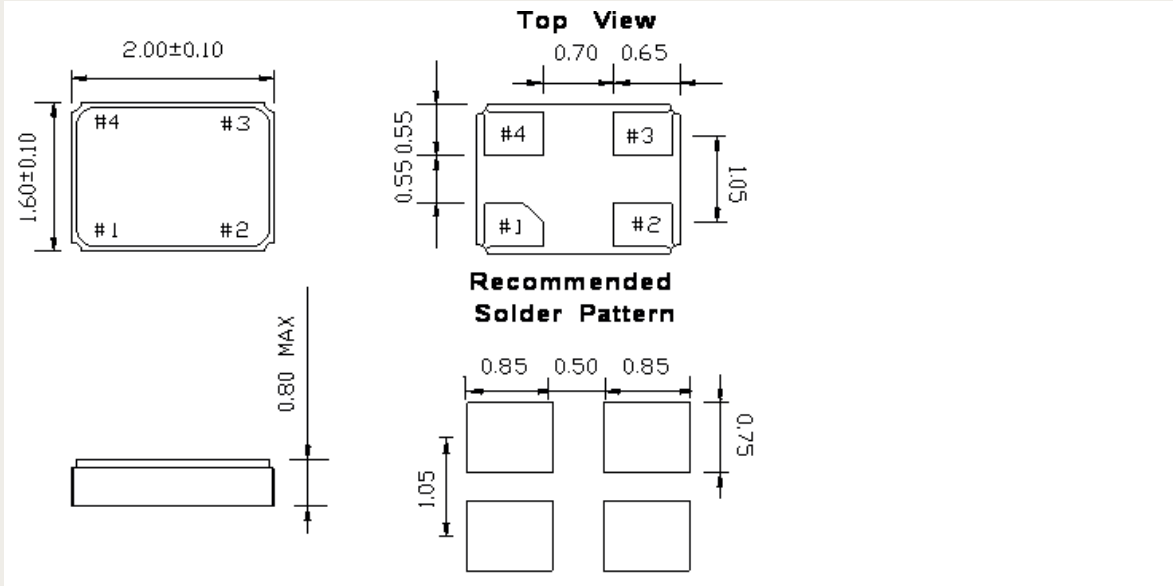
(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

..... MHz
Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
18 = +1.8V	D = -10° / +60°C	20 = ±20 ppm	E = Tri-state	Blanc = 15 pF	Please specify the frequency in MHz
25 = +2.5V	E = 0° / +70°C	25 = ±25 ppm			
1V3 = +1.8V ~ +3.3V	F = -20° / +70°C	30 = ±30 ppm			
33 = +3.3V	H = -30° / +85°C	50 = ±50 ppm			
	K = -40° / +85°C	100 = ±100 ppm			
	L = -40° / +105°C				

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

OUTLINE DIMENSIONS



Pin Connections

#1 : E/D

#2 : GND

#3 : Output

#4 : Vcc