

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 ~ 20 mA	3 mA ~ 20 mA	3 mA ~ 25 mA	3.5 mA ~ 25 mA	3.5 mA ~ 30 mA
Output Level	VOH ≥ 0.9 Vdd		VOL ≤ 0.1 Vdd		
Output Load	15 pF (see options)				
Symmetry	45 / 55 %				
Rise Time / Fall Time Fr/Ff	3 ~ 5 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				

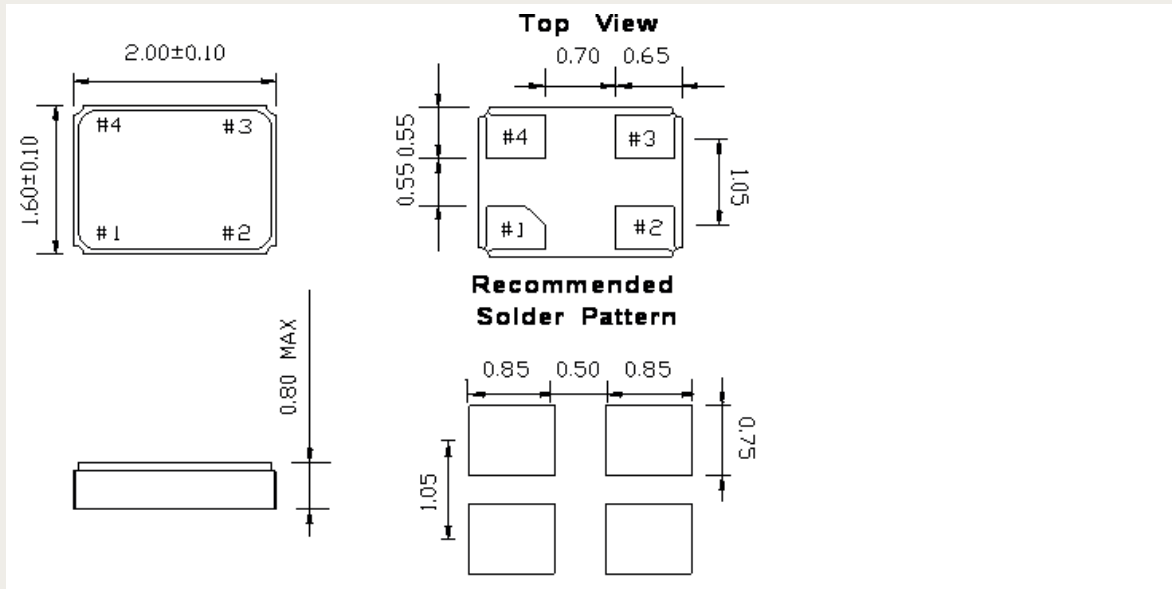
(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

SX1C 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
	25 = +2.5V	E = 0° / +70°C	25 = ±25 ppm		H = 30 pF	frequency in MHz
	28 = +2.8V	F = -20° / +70°C	30 = ±30 ppm			
	30 = +3.0V	H = -30° / +85°C	50 = ±50 ppm			
	33 = +3.3V	K = -40° / +85°C	100 = ±100 ppm			

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

OUTLINE DIMENSIONS



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