

SX3C

HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Ultra-miniature package
- High shock and vibrational resistivity
- Low current consumption
- Wide Operating temperature range from -55°C to +125°C
- Applications: Wireless communications, Portable electronics, IoT, ...

3.2 x 2.5 x 1.1 mm



Item	Specification
Frequency Range	25 kHz ~ 160.0 MHz
Output Logic	CMOS
Overall Frequency Stability *	± 10 ppm ~ ± 100 ppm (see options)
Operating Temperature Range	0~+70°C commercial application (see options) -40 ~ +85°C industrial application (see options) -40 ~ +125°C automotive application (see options) -55 ~ +125°C (see options)
Supply Voltage Vdd	+1.0V ±5% +1.2V ±5% +1.5V ±5% +1.8V ±5% +2.5V ±5% +2.8V ±5% +3.0V ±5% +3.3V ±5% +5.0V ±5%
Supply Current Idd	2 mA ~ 4 mA 2 mA ~ 10 mA 2 mA ~ 12 mA 2 mA ~ 20 mA 3 mA ~ 25 mA 4 mA ~ 25 mA 5 mA ~ 30 mA 5 mA ~ 35 mA 5 mA ~ 40 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	2 ~ 10 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	3000pcs / reel
Soldering Condition	260°C , 10 sec x2 max
Customer specifications on request	

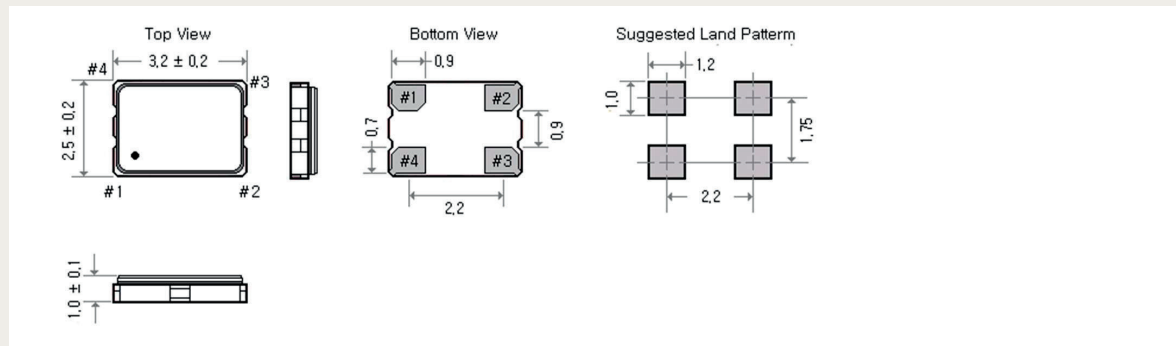
(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

SX3C MHz
Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
10 = +1.0V	D = -10° / +60°C	10 = ±10 ppm	E = Tri-state	Blanc = 15 pF	Please specify the
12 = +1.2V	E = 0° / +70°C	15 = ±15 ppm		H = 30 pF	frequency in MHz
15 = +1.5V	F = -20° / +70°C	20 = ±20 ppm			
18 = +1.8V	H = -30° / +85°C	25 = ±25 ppm			
25 = +2.5V	K = -40° / +85°C	30 = ±30 ppm			
28 = +2.8V	L = -40° / +105°C	50 = ±50 ppm			
30 = +3.0V	M = -40° / +125°C	100 = ±100 ppm			
33 = +3.3V	N = -55° / +125°C				
50 = +5.0V					

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

OUTLINE DIMENSIONS



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