

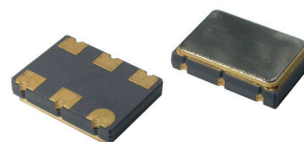
## SX5CQP

## HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

### FEATURES

- Frequency Switchable Oscillator
- Up to 250 MHz
- Short delivery

5.0 x 3.2 x 1.3 mm



Item	Specification	
Frequency Range	10.0 MHz ~ 250 MHz	
Output Signal	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	+2.5V ±5%	+3.3V ±5%
Supply Current Idd	40 mA max.	
Output Level	VOH ≥ 0.9 Vdd	VOL ≤ 0.1 Vdd
Output Load	15 pF	
Symmetry	45 / 55 %	
Rise Time / Fall Time Fr/Ff	8.0 ns max.	
Tri-state function	pin #1 = high or open pin #1 = low	pin #4 = oscillation pin #4 = disable
Start-up Time	3 ms typ. ; 10 ms max.	
RMS Jitter (12 kHz to 20 MHz band)	1.0 ps typ.	
Frequency selection	<b>FSEL</b> 0 1	<b>Frequency output</b> Freq. 1 Freq. 2
Packing Unit	1000pcs / reel	
Soldering Condition	260 °C , 10 sec x2 max	

#### Customer specifications on request

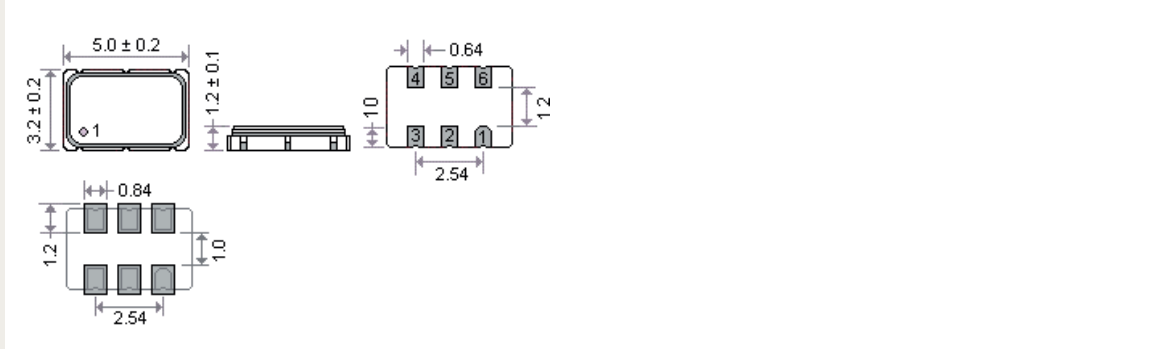
(\*) Includes initial tolerance @+25 °C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

## OPTIONS & ORDERING INFORMATION

SX5CQP .....	.....	.....	.....-	..... /	.....
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency 1 (MHz)	Frequency 2 (MHz)
25 = +2.5V	E = 0° / +70 °C	25 = ±25 ppm	E = Tri-state		
33 = +3.3V	F = -20° / +70 °C	50 = ±50 ppm			
	K = -40° / +85 °C	100 = ±100 ppm			

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

## OUTLINE DIMENSIONS



Pin Connections	#1 : E/D	#2 : FSEL	#3: GND	#4 : Output
	#5 : NC	#6 : Vdd		