

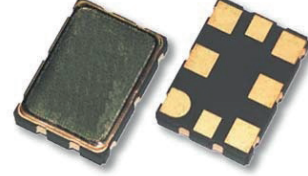
SX7HF

HCSSL SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- 4 Frequencies Switchable
- Ultra-low Jitter
- Up to 700 MHz
- Short delivery

7.0 x 5.0 x 1.8 mm



Item	Specification		
Frequency Range	15.0 MHz~700 MHz		
Output Signal	HCSL		
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 ±10%	+3.3V ±10%
Supply Current Idd	95 mA typ.; 115 mA max.		
Output Voltage HIGH VOH	0.66 V min. , 1.15V max.		
Output Voltage LOW VOL	0.0 V min. , 0.15V max.		
Output Load	50 ohm to GND		
Symmetry	45/55%		
Rise Time / Fall Time Fr/Ff	0.4 ns max.		
Start-up Time	3 ms typ. ; 10 ms max.		
RMS Phase Jitter (12 kHz to 20 MHz)	150 fs typ.		
Frequency selection configurations	FS1	FS0	Frequency output
	0	0	Freq. 1
	0	1	Freq. 2
	1	0	Freq. 3
	1	1	Freq. 4
Frequency Select Timing	2.5 ms max.		
Packing Unit	1000pcs / reel		
Soldering Condition	260°C , 10 sec x2 max		
	Customer specifications on request		

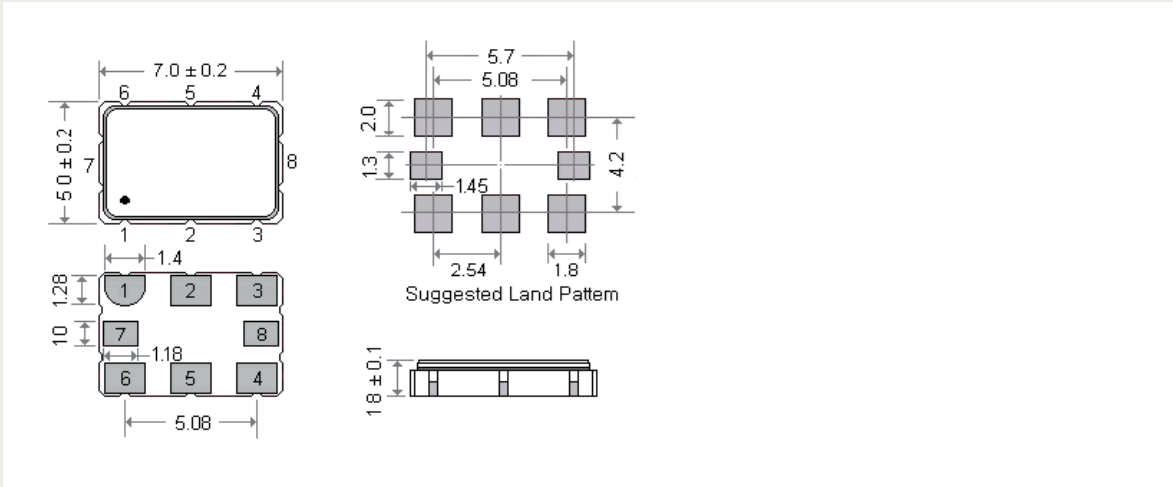
(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

SX7HF
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency 1 (MHz)	Frequency 2 (MHz)	Frequency 3 (MHz)	Frequency 4 (MHz)
18 = +1.8V	E = 0°/+70°C	20 = ±20 ppm	F = No Tri-state				
25 = +2.5V	F = -20°/+70°C	25 = ±25 ppm					
33 = +3.3V	K = -40°/+85°C	30 = ±30 ppm					
		50 = ±50 ppm					
		100 = ± 100ppm					

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

OUTLINE DIMENSIONS



Pin Connections

#1 : FS0 Control	#2 : FS1 Control	#3: GND
#4 : Output	#5 : Complementary output	#6: Vdd
#7 : Do not connect	#8 : Do not connect	