

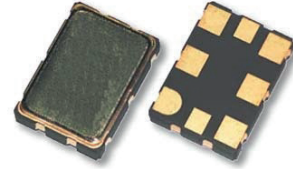
SX7EF

LVPECL SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- 4 Frequencies Switchable Oscillator
- Ultra-low Jitter
- Up to 2100 MHz
- Short delivery

7.0 x 5.0 x 1.8 mm



Item	Specification		
Frequency Range	15.0 MHz ~ 2100 MHz		
Output Signal	LVPECL		
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 ±10%	+3.3V ±10%	
Supply Current Idd	100 mA typ.		
Output Voltage HIGH VOH	Vdd -1.103 V min. ; Vdd -0.6 V max		
Output Voltage LOW VOL	Vdd -0.85 V min. ; Vdd -1.6 V max		
Output Load	50 ohm to Vdd-2V		
Symmetry	45/ 55%		
Rise Time/Fall Time Fr/Ff	0.35 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			

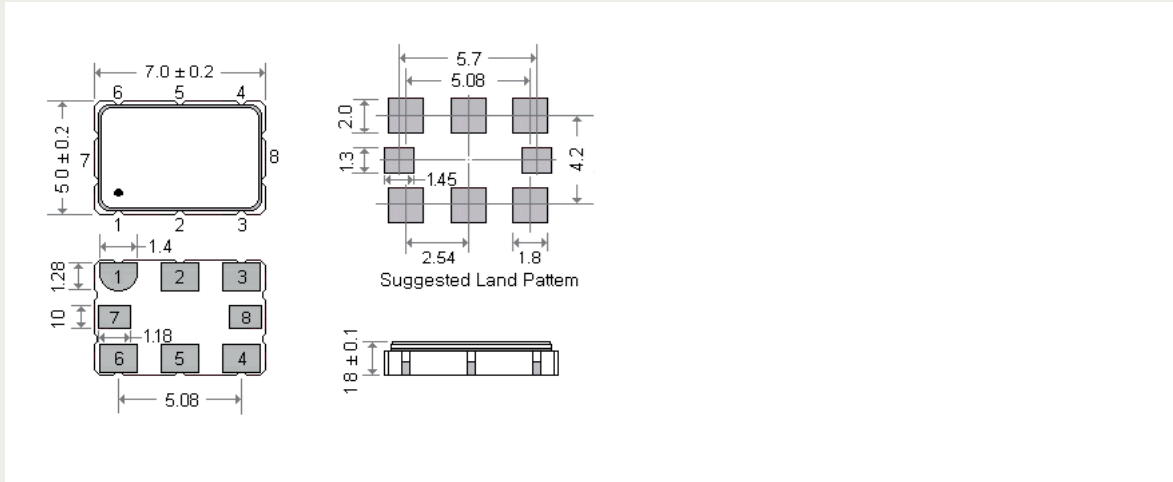
(*) Includes initial tolerance@+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

SX7EF -	Frequency 1 (MHz)	Frequency 2 (MHz)	Frequency 3 (MHz)	Frequency 4 (MHz)
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function				
25 = +2.5V	E = 0°/+70°C	20 = ±20 ppm	F = No Tri-state				
33 = +3.3V	F = -20°/+70°C	25 = ±25 ppm					
	K = -40°/+85°C	30 = ±30 ppm					
		50 = ±50 ppm					
		100 = ± 100ppm					

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

OUTLINE DIMENSIONS (mm)



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