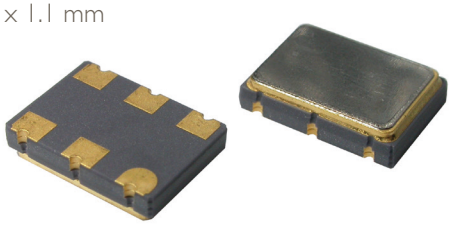
SX3LP LVDS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Miniature package
- Programmable oscillator
- One day delivery

3.2 x 2.5 x 1.1 mm



Item	Specification	
Frequency Range	10.0 MHz ~ 1450 MHz	
Output Signal	LVDS	
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	+2.5V ±5%	+3.3V ±5%
Supply Current Idd	16 mA typ. ; 27 mA max	
Output Voltage HIGH VOH	1.43 V typ. ; 1.6 V max	
Output Voltage LOW VOL	1.1 V typ. ; 0.9 V min.	
Output Load	50 ohm from each output	
Symmetry	45 / 55 %	
Rise / Fall time Fr/Ff	0.2 ns typ. ; 0.4 ns max.	
Tri-state function	pin #1 = high or open pin #1 = low	pin #4 - #5 ==> oscillation pin #4 - #5 ==> high impedance
Start-up Time	3 ms typ. ; 10 ms max.	
Integrated Phase Jitter (12 kHz to 20 MHz band)	1.2 ps typ.	
Phase Noise (typical)	**Offset** 10 Hz 100 Hz 1 kHz 10 kHz 100 kHz	**Frequency 156.250 MHz** -67 dBc / Hz -92 dBc / Hz -115 dBc / Hz -123 dBc / Hz -125 dBc / Hz
Packing Unit	1000pcs / reel	
Soldering Condition	260°C , 10 sec x2 max	

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

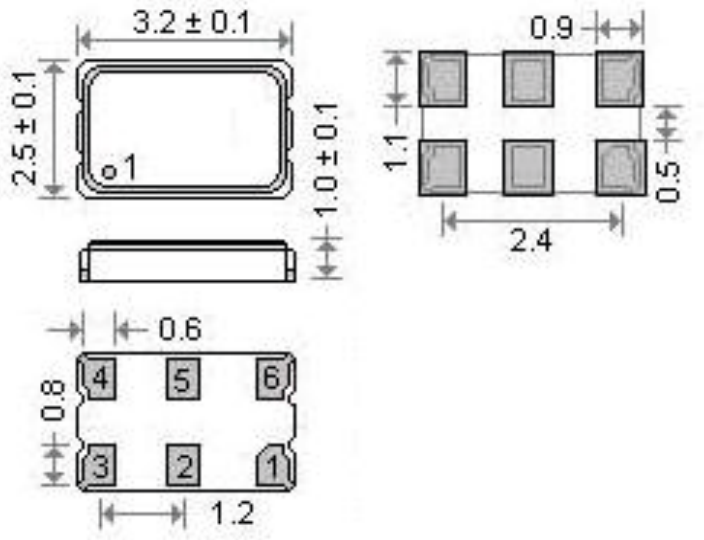
OPTIONS & ORDERING INFORMATION

SX3LP .... MHz

Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency in MHz
25 = +2.5 V	**E** = 0° / +70°C	**20** = ±20 ppm	**E** = Tri-state	Please specify the frequency in MHz
33 = +3.3V	**F** = -20° / +70°C	**25** = ±25 ppm		
	K = -40° / +85°C	**30** = ±*30 ppm*		
		50 = ±50 ppm		
		100 = ±100 ppm		

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

OUTLINE DIMENSIONS (MM)



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