

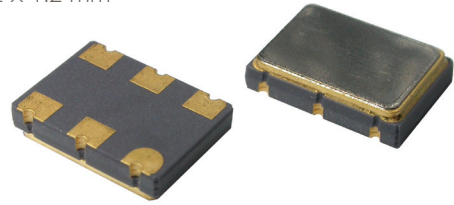
**SX5LP**

**LVDS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR**

**FEATURES**

- Standard miniature package
- Programmable oscillator
- One day delivery

5.0 x 3.2 x 1.2 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	1.43V typ. ; 1.6V max	
Output Voltage LOW VOL	1.1V typ. ; 0.9V 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 )	<b>Offset</b>	<b>Frequency 156.250 MHz</b>
	10 Hz	-67 dBc / Hz
	100 Hz	-92 dBc / Hz
	1 kHz	-115 dBc / Hz
	10 kHz	-123 dBc / Hz
100 kHz	-125 dBc / Hz	
Packing Unit	1000pcs / reel	
Soldering Condition	260°C , 10 sec x2 max	

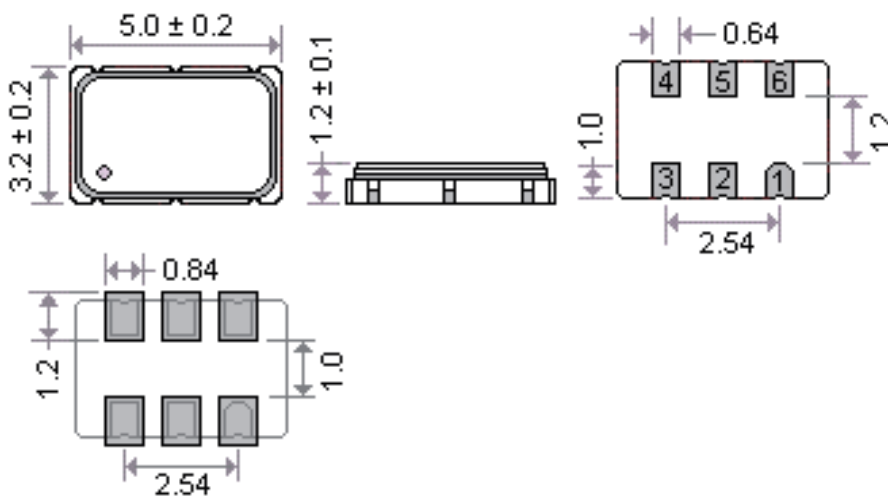
(\*) Includes initial tolerance @+25°C , stability over operating temperature , stability vs. load change , stability vs. supply change and one year aging

## OPTIONS & ORDERING INFORMATION

SX5LP				MHz
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency in MHz
<b>25</b> = +2.5V <b>33</b> = +3.3V	<b>E</b> = 0° / +70°C <b>F</b> = -20° / +70°C <b>K</b> = -40° / +85°C	<b>20</b> = ±20 ppm <b>25</b> = ±25 ppm <b>30</b> = ±30 ppm <b>50</b> = ±50 ppm <b>100</b> = ±100 ppm	<b>E</b> = Tri-state	Please specify the frequency in MHz

\* 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