

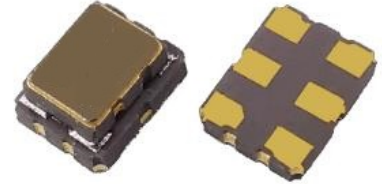
SX3LVTJ

LVDS SURFACE MOUNT VCTCXO

FEATURES

- ▶ Ultra Low Jitter , 300 fsec typ.
- ▶ Fast delivery

3.2 x 2.5 x 1.6 mm



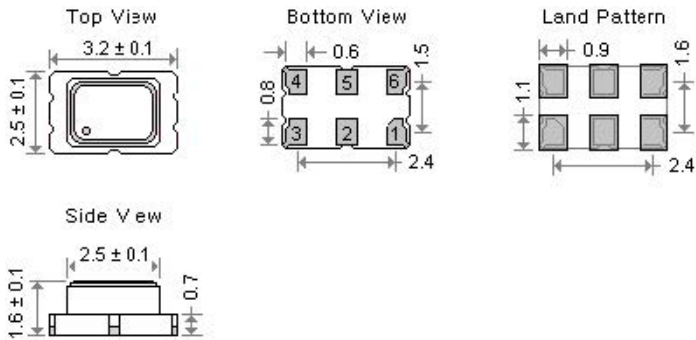
Item	Specification
Frequency Range	15 MHz ~ 2100.0 MHz
Output Signal	LVDS
Supply Voltage Vdd	+1.8V ±5% +2.5V ±10% +3.3V ±10%
Supply Current Idd	90.0 mA max
Frequency Tolerance	±1.0 ppm at 25°C ±2°C
Frequency Stability	<ul style="list-style-type: none"> vs Temperature ±1.0 ppm over -40° to +85°C vs Aging ±1.0 ppm max. per year at 25°C vs Voltage Change ±0.2 ppm max. , for a ±5% input voltage change vs Load Change ±0.2 ppm max. , for a ±10% load condition change vs Reflow ±1.0 ppm max. , 1 reflow and measured 24 hours afterwards
Output Voltage HIGH VOH	1.43V typ. ; 1.6V max
Output Voltage LOW VOL	1.1 V typ. ; 0.9V min.
Output Load	100 Ohm between output and complementary output
Symmetry	45 / 55 %
Rise / Fall time Fr/Ff	0.35 ns max.
Tri-state function	<ul style="list-style-type: none"> pin #2 : high or open pin #2 : low pin #4 : oscillation pin #4 : high impedance
Current with Output Disable	72 mA typ.
Start-up Time	5 ms typ.
Integrated Phase Jitter (12 kHz to 20 MHz)	<ul style="list-style-type: none"> 15 MHz - 50 MHz 500 fsec typ. 51 MHz - 250 MHz 300 fsec typ. 251 MHz - 2100 MHz 250 fsec typ.
Control Voltage Function	<ul style="list-style-type: none"> Control voltage range +0.9V +0.6V for Vdd 1.8V +1.5V ±1.0V for Vdd 2.5V and 3.3V Frequency pulling range ±8 ppm min. Linearity ±1.0 % typical , ±10 % max Positive Slope polarity 5 MΩ typ. Input impedance 10 kHz typ. (at -3 dB) 1000pcs / reel Modulation bandwidth 260°C , 10 sec x2 max
Packing Unit	
Soldering Condition	

OPTIONS & ORDERING INFORMATION

SX3LVTJ					MHz	
	Supply voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Pulling *	Frequency in MHz
	10 = +1.0V 25 = +2.5V 33 = +3.3V	K = 40° / +85°C	1.0 = ±1.0 ppm 1.5 = ±1.5 ppm	E2 = Tri-state , pin 2	08 = ± 8 ppm min.	Please specify the frequency in MHz

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

OUTLINE DIMENSIONS (MM)



Pin Connections

- #1 : Control Voltage
- #2 : E/D
- #3: GND
- #4 : Output
- #5 : Complementary Output
- #6 : Vdd