

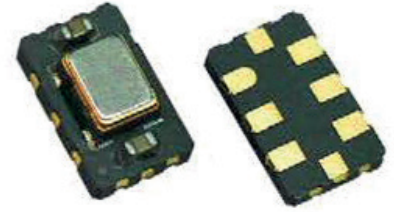
SX5LTVJ

LVDS SURFACE MOUNT TCVCXO

FEATURES

- ▶ TCXO with wide pulling range
- ▶ Ultra Low Jitter , 300 fsec typ.
- ▶ Fast delivery

5.0 x 3.2 x 1.5 mm



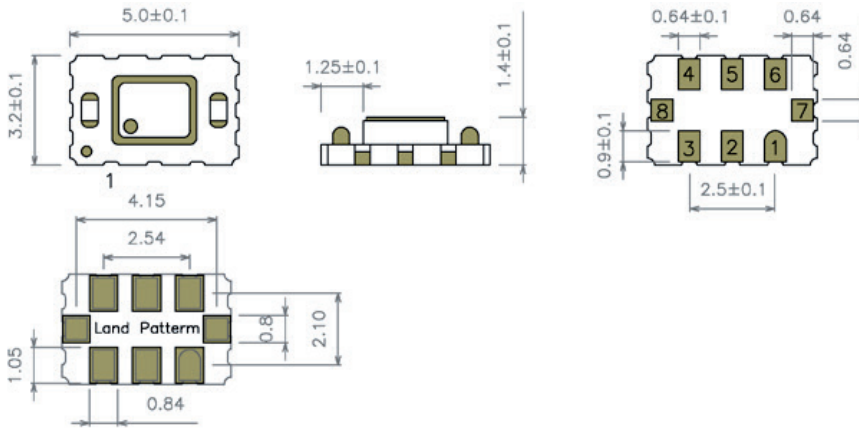
Item	Specification
Frequency Range	15 MHz ~ 1300.0 MHz
Output Signal	LVDS
Supply Voltage Vdd	+2.5V ±10% +3.3V ±10%
Supply Current Idd	90.0 mA max
Frequency Tolerance	±1.0 ppm at 25°C ±2°C
Frequency Stability	vs Temperature ±2.5 ppm over -40° to +85°C vs Aging ±1.0 ppm max. per year at 25°C vs Voltage 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	1.1V typ. ; 0.9V min.
Output Load	100 Ohm between output and complementary output
Symmetry	45 / 55 %
Rise / Fall time Fr/Ff	0.40 ns max.
Tri-state function	pin #2 : high or open pin #4 : oscillation pin #2 : low 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)	15 MHz - 50 MHz 500 fsec typ. 51 MHz - 250 MHz 300 fsec typ. 251 MHz - 1300 MHz 250 fsec typ.
Control Voltage Function	Supply Voltage Vdd +2.5V +3.3V Control voltage range +1.25V ±1.0V +1.65V ±1.35V Frequency pulling range* ± 40 ppm min. to +300 ppm , depends on Frequency and Supply Voltage . (please consult factory) Linearity ±1.0 % typical , ±10 % max Slope polarity Positive Input impedance 5 MΩ typ. Modulation bandwidth 10 kHz typ. (at -3 dB)
Packing Unit	1000pcs / reel
Soldering Condition	260°C , 10 sec x2 max

OPTIONS & ORDERING INFORMATION

SX5LTVJ					MHz
	Supply voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Pulling *
	25 = +2.5 V 33 = +3.3 V	K = 40° / +85°C	2.5 = ±2.5 ppm	E2 = Tri-state , pin 2	xxx = ± xxx 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
- #7 : Do Not Connect
- #8 : Do Not Connect