

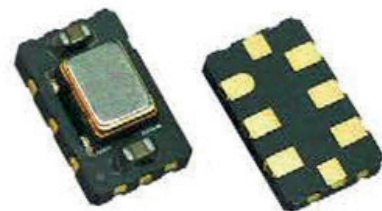
SX5ETVJ

LVPECL 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



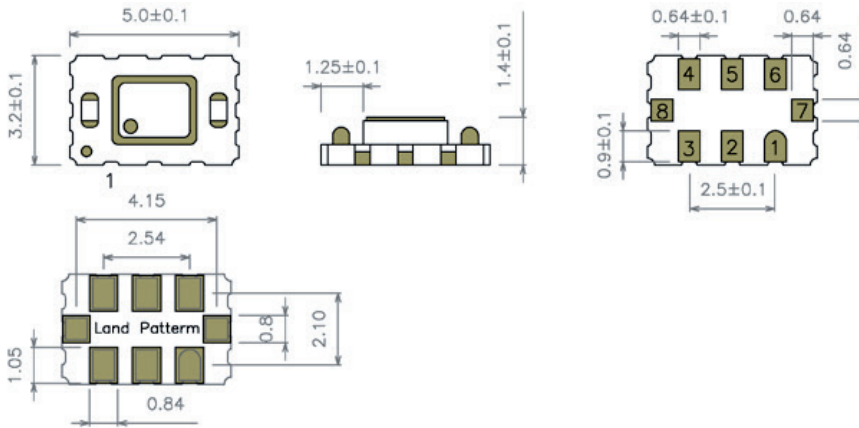
Item	Specification	
Frequency Range	15 MHz ~ 1300.0 MHz	
Output Signal	LVPECL	
Supply Voltage Vdd	+2.5V ±10% +3.3V ±10%	
Supply Current Idd	120.0 mA max	
Frequency Tolerance	±1.0 ppm at 25°C ±2°C	
Frequency Stability	vs Temperature ±2.5 ppm over -40° to +85°C vs Aging ±1.0 ppm max. per year at 25°C vs 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	Vdd -1.03V min. ;Vdd -0.95V typ. ;Vdd -0.6V max	
Output Voltage LOW VOL	Vdd -1.85V min. ;Vdd -1.70V typ. ;Vdd -1.60V max	
Output Load	50 ohm to Vdd-2V	
Symmetry	45 / 55 %	
Rise / Fall time Fr/Ff	0.35 ns max.	
Tri-state function	pin #2 : high or open pin #4 : oscillation pin #2 : low pin #4 : high impedance	
Current with Output Disable	98 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

SX5ETVJ					MHz	
	Supply voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Pulling *	Frequency in MHz
	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