

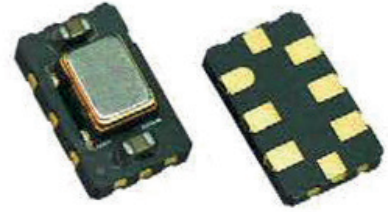
SX5CVTJ

HCMOS SURFACE MOUNT VCTCXO

FEATURES

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

5.0 x 3.2 x 1.5 mm



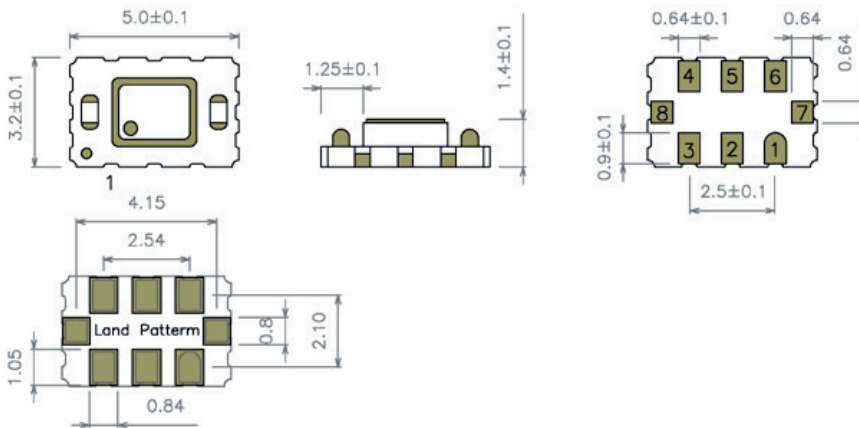
Item		Specification		
Frequency Range		15 MHz ~ 250.0 MHz		
Output Signal		HCMOS		
Supply Voltage Vdd		+1.8V ±5%	+2.5V ±10%	+3.3V ±10%
Supply Current Idd		90.0 mA max		
Frequency Tolerance		±1.0 ppm at 25°C ±2°C		
Frequency Stability	vs Temperature	±2.5 ppm over -40° to +85°C		
	vs Aging	±1.0 ppm max. 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		> 0.9 Vdd		
Output Voltage LOW VOL		< 0.1 Vdd		
Output Load		15 pF		
Symmetry		45 / 55 %		
Rise / Fall time Fr/Ff		5.0 ns max.		
Tri-state function		pin #2 : high or open pin #2 : low	pin #4 : oscillation pin #4 : high impedance	
Current with Output Disable		60 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.	
Control Voltage Function	Control voltage range	+1.5V ±1.0V		
	Frequency pulling range	±8 ppm min.		
	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

SX5CVTJ					MHz
	Supply voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Pulling *
	18 = +1.8V 25 = +2.5V 33 = +3.3V	K = 40° / +85°C	2.5 = ±2.5 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
- #7 : Do Not Connect
- #8 : Do Not Connect