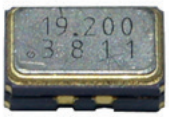
SX5STG CLIPPED SINE WAVE SURFACE MOUNT TCXO

FEATURES

- Miniature package
- High precision for -40° to +85°C , ± 0.20 ppm
- ± 0.05 ppm -10° to +70°C
- Applications: Femtocell, Base stations, Stratum 3, ...

5.0 x 3.2 x 1.65 mm



Item	Specification
Frequency Range	10.0 MHz to 40.0 MHz
Standard Frequency	10.000 ; 12.800 ; 19.200 ; 20.000 ; 26.000
Output Logic	Clipped Sine Wave
Supply Voltage Vdd (see options)	+3.3 V ±5% +5.0 V ±5%
Supply Current Idd	3.5 mA max.
Frequency Tolerance	±2.0 ppm max. at 25°C ±2°C (one hour after reflow)
Frequency Stability vs Temperature (see options)	**±0.05 ppm ±0.10 ppm ±0.20 ppm ±0.28 ppm ±0.50 ppm** **0° to +50°C** o o o o o **-10° to +60°C** o o o o o **-20° to +70°C** ◊ o o o o **-40° to +85°C** x x ◊ o o **o =** availabe **◊ =** please contact us **x =** not available
Frequency Stability vs Aging	±1.0 ppm max. per year at 25°C
Frequency Stability vs Voltage Change	±0.2 ppm max., for a ±5% input voltage change
Frequency Stability vs Load Change	±0.2 ppm max., for a ±10% load condition change
Output Level	≥0.8 V p-p
Output Load	10 kΩ // 10 pF
Phase Noise	Offset / dBc / Hz **100 Hz 1 kHz 10 kHz** (typical) **12.800 MHz** -125 dBc / Hz -145 dBc / Hz -150 dBc / Hz
Start-up Time	2 ms max.
Tri-state function (see options)	pin #1 = high or open pin #3 ==> oscillation pin #1 = low pin #3 ==> high impedance
Packing Unit	1000 pcs / reel
Soldering Condition	260°C, 10 sec x2 max
	Customer specifications on request

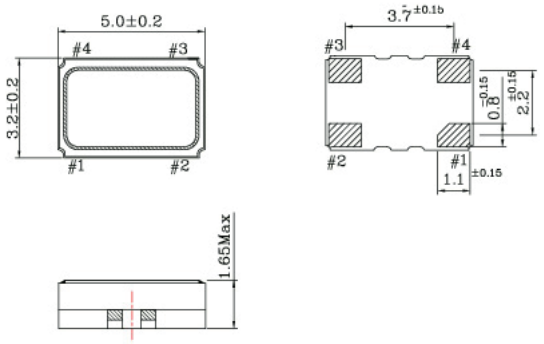
OPTIONS & ORDERING INFORMATION

SX5STG .... - ..... - .... - ..... MHz

Supply Voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Package type	Frequency in MHz
33 = +3.3V	**C =** 0° / +50°C	**0.05 =** ±0.05 ppm	**F =** No Tri-state	**4P =** 4-pad version	Please specify the frequency in MHz
50 = +5.0V	**D =** -10° / +60°C	**0.10 =** ±0.10 ppm	**E1 =** Tri-state at pin #1		
	F = -10° / +70°C	**0.20 =** ±0.20 ppm			
	K = -40° / +85°C	**0.28 =** ±0.28 ppm			
		0.50 = ±0.50 ppm			

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

OUTLINE DIMENSIONS



Pin Connections	#1 : NC	#2 : GND	#3: Output	#4 : Vdd