

SX5CTG

HCMOS SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

5.0 x 3.2 x 1.65 mm

- 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, ...



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	CMOS					
Supply Voltage Vdd (see options)	+3.3 V ±5%		+5.0 V ±5%			
Supply Current Idd	6.0 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	±0.28 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	VOH ≥ 0.9 Vdd		VOL ≤ 0.1 Vdd			
Output Load	15 pF					
Symmetry	45 / 55%					
Rise Time / Fall Time Fr / Ff	10 ns max.					
Start-up Time	2.0 ms max.					
Phase Noise	Offset / dBc / Hz	100 Hz	1 kHz	10 kHz		
	(typical)					
	12.800 MHz	-125 dBc / Hz	-145 dBc / Hz	-150 dBc / Hz		
Packing Unit	1000 pcs / reel					
Soldering Condition	260°C, 10 sec x2 max					
	Customer specifications on request					

Customer specifications on request

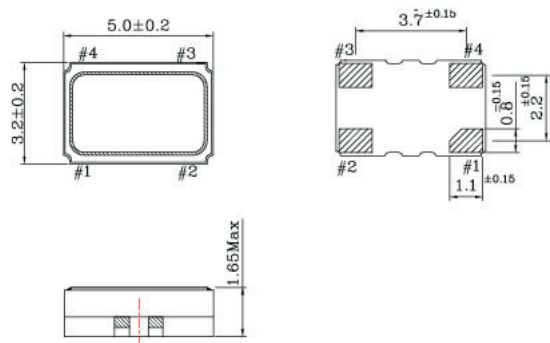
OPTIONS & ORDERING INFORMATION

SX5CTG

.....					 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			
	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