





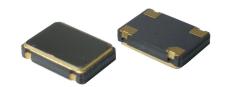
SX3CT

HCMOS SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

- Ultra-miniature package
- High shock and vibrational resistivity
- Low current consumption
- Applications: Portable electronics, GPS, ...





Item	Specification						
Frequency Range	8.192 MHz ~ 60.0 MHz						
Output Signal	CMOS						
Supply Voltage Vdd (see options)	+1.8V ±5%	+2.5V ±5%	+2.8	V ±5%	+3.0V ±5%	+3.3\	/ ±5%
Supply Current Idd	6 mA max						
Frequency Tolerance	±1.0 ppm at 25°C	±2°C					
Frequency Stability vs Temperature (see options)	0° to +50°C -10° to +60°C -20° to +70°C -30° to +75°C -40° to +85°C	±0.5 ppm	±1.0 ppm	±1.5 ppm	±2.0 ppm	±2.5 ppm	±3.0 ppm
	O = available	♦ = please co	·	X = not avail	lable		
Frequency Stability vs Aging	±1.0 ppm max. per year at 25°C						
Frequency Stability vs Voltage Change	±0.3 ppm max., for a ±5% input voltage change						
Frequency Stability vs Load Change	±0.3 ppm max., for a ±10% load condition change						
Output Level	VOH ≥ 0.9 Vdd			VOL≤0). I Vdd		
Output Load	15 pF						
Symmetry	45 / 55 %						
Rise / Fall time Fr/Ff	5 ns max.						
Start-up Time	5 ms typ., 10 ms max.						
Integrated Phase Jitter (12 kHz to 20 MHz band)	I ps max.						
Phase noise	-145 dBc/Hz typ. at 10 kHz offset						
Packing Unit	3000pcs / reel						
Soldering Condition	260°C , 10 sec x2 m	nax					
Customer specifications on request							





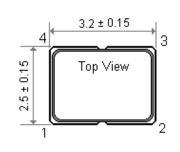


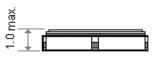
OPTIONS & ORDERING INFORMATION

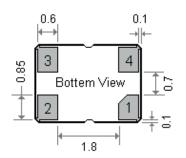
SX3CT						MHz
	Supply Voltage *	Operating Temp. *	Temperature Stability *	Tri-state Function	Package type	Frequency in MHz
	18 = +1.8V	C = 0° / +50°C	$0.5 = \pm 0.5 \text{ ppm}$	F = No Tri-state	4P = 4-pad version	Please specify the
	25 = +2.5V	D = -10° / +60°C	$1.0 = \pm 1.0 \text{ ppm}$			frequency in MHz
	28 = +2.8V	F = -20° / +70°C	1.5 = ±1.5 ppm			
	30 = +3.0V	G = -30° / +75°C	$2.0 = \pm 2.0 \text{ ppm}$			
	33 = +3.3V	H = -30° / +85°C	$2.5 = \pm 2.5 \text{ ppm}$			
		K = -40° / +85°C	$3.0 = \pm 3.0 \text{ ppm}$			

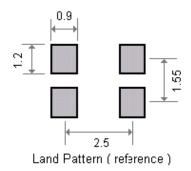
 $[\]ensuremath{^{\circ}}$ Note : Not all combinations are possible , please consult us.

OUTLINE DIMENSIONS (MM)









Pin Connect	tions
#1:NC	
#2:GND	
#3: Output	
#4 :Vdd	