

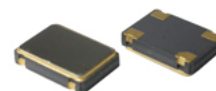
Datasheet

SX2CT HCMOS SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

2.5 x 2.0 x 0.9 mm

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



Item	Specification																																				
Frequency Range	4.0 MHz to 54.0 MHz																																				
Output Logic	CMOS																																				
Supply Voltage V _{dd} (see options)	+1.8 V ±5% +2.5 V ±5% +2.8 V ±5% +3.0 V ±5% +3.3 V ±5%																																				
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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 V _{dd} VOL ≤ 0.1 V _{dd}																																				
Output Load	15 pF																																				
Symmetry	45 / 55%																																				
Rise Time / Fall Time Fr / Ff	5 ns max.																																				
Tri-state Function	pin #1 = high or open pin #3 ==> oscillation pin #1 = low pin #3 ==> high impedance																																				
Start-up Time	5 ms typ., 10 ms max.																																				
RMS Jitter (12 kHz to 20 MHz band)	1 ps max.																																				
Phase noise	-145 dBc/Hz typ. at 10 kHz offset																																				
Packing Unit	3000 pcs / reel																																				
Soldering Conditions	260°C, 10 sec x2 max																																				

Customer specifications on request

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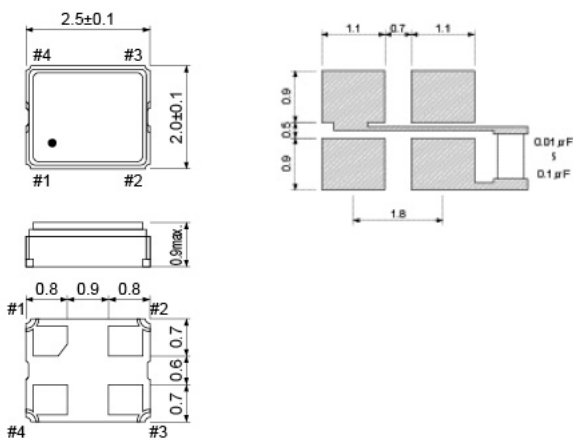
OPTIONS & ORDERING INFORMATION

SX2CT

Supply Voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Package Type	Frequency in MHz
18 = +1.8V	C = 0° / +50°C	2.5 = ±2.5 ppm	F = No Tri-state	4P = 4-pad version	Please specify the frequency in MHz
25 = +2.5V	D = -10° / +60°C	3.0 = ±3.0 ppm	E1 = Tri-state, pin #1		
28 = +2.8V	F = -20° / +70°C	4.0 = ±4.0 ppm			
30 = +3.0V	G = -30° / +75°C	5.0 = ±5.0 ppm			
33 = +3.3V		2.5 = ±2.5 ppm			

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

OUTLINE DIMENSIONS



Pin Connections #1 : NC or E/D #2 : GND #3: Output #4 : Vdd