





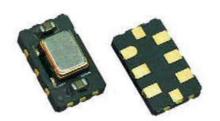
SX5CTJ

HCMOS SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

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

 $5.0 \times 3.2 \times 1.5 \text{ mm}$



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 vs Aging vs Voltage Change vs Load Change vs Reflow	±2.5 ppm over -40° to +85°C ±1.0 ppm max. per year at 25°C ±0.2 ppm max., for a ±5% input voltage change ±0.2 ppm max., for a ±10% load condition change ±1.0 ppm max., I 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 51 MHz - 250 MHz	500 fsec typ. 300 fsec typ.		
Packing Unit		1000pcs / reel			
Soldering Condition		260°C , 10 sec ×2 max			







OPTIONS & ORDERING INFORMATION

SX5CTJ					MHz
	Supply voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Frequency in MHz
	18 = +1.8 V 25 = +2.5 V 33 = +3.3 V	K = 40° / +85°C	2.5 = ±2.5 ppm	E2 = Tri-state , pin 2	Please specify the frequency in MHz

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

OUTLINE DIMENSIONS (MM)

