

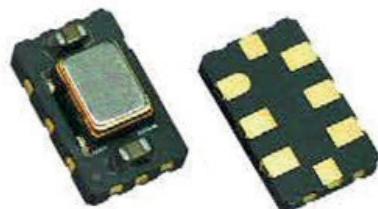
SX5MTJ

CML SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

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

5.0 × 3.2 × 1.5 mm



Item	Specification				
Frequency Range	15 MHz ~ 2100.0 MHz				
Output Signal	CML				
Supply Voltage Vdd	+1.8V ±5%	+2.5V ±10%	+3.3V ±10%		
Supply Current Id	85.0 mA max				
Frequency Tolerance	±1.0 ppm at 25°C ±2°C				
Frequency Stability	vs Temperature	±1.0 ppm over -40° to +85°C			
	vs Aging	±1.0 ppm max. per year at 25°C			
	vs Voltage Change	±0.2 ppm max. , for a ±5% input voltage change			
	vs Load Change	±0.2 ppm max. , for a ±10% load condition change			
	vs Reflow	±1.0 ppm max. , 1 reflow and measured 24 hours afterwards			
Output Voltage HIGH VOH	Vdd -0.085V min. ,Vdd = max.				
Output Voltage LOW VOL	Vdd -0.6V min. ,Vdd - 0.32V max.				
Output Load	50 Ohm to Vdd				
Symmetry	45 / 55 %				
Rise / Fall time Fr/Ff	0.35 ns max.				
Tri-state function	pin #2 : high or open	pin #4 : oscillation			
	pin #2 : low	pin #4 : high impedance			
Current with Output Disable	67 mA typ.				
Start-up Time	5 ms typ.				
Integrated Phase Jitter (12 kHz to 20 MHz)	15 MHz - 50 MHz	500 fsec typ.			
	51 MHz - 250 MHz	300 fsec typ.			
	251 MHz - 2100 MHz	250 fsec typ.			
Packing Unit	1000pcs / reel				
Soldering Condition	260°C , 10 sec ×2 max				

OPTIONS & ORDERING INFORMATION

SX5MTJ					MHz
Supply voltage	Operating Temp. *	Temperature Stability *	Tri-state Function	Frequency in MHz	
18 = +1.8V 25 = +2.5V 33 = +3.3V	K = 40° / +85°C	1.0 = ±1.0 ppm 1.5 = ±1.5 ppm 2.5 = ±2.5 ppm	E2 = Tri-state , pin 2	Please specify the frequency in MHz	

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

OUTLINE DIMENSIONS (MM)

