

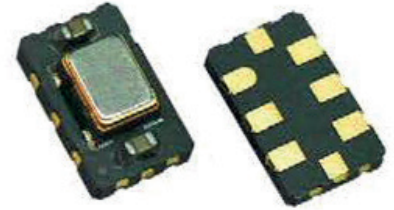
SX5MTJ

CML SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

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

5.0 x 3.2 x 1.5 mm



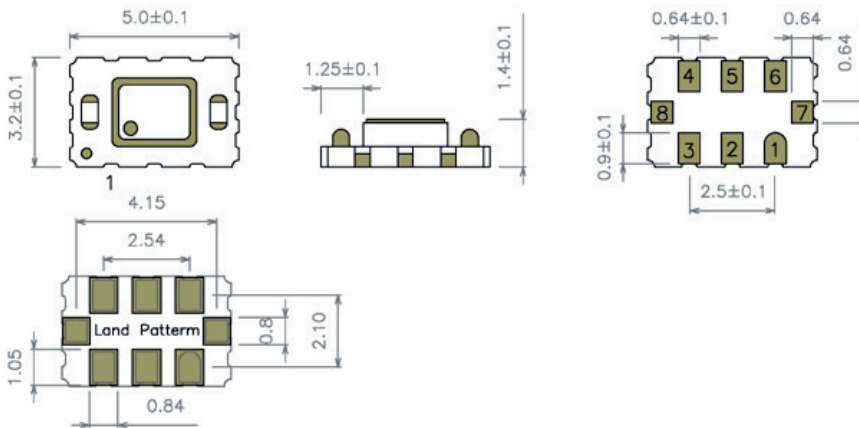
Item	Specification	
Frequency Range	15 MHz ~ 2100.0 MHz	
Output Signal	CML	
Supply Voltage Vdd	+1.8V ±5% +2.5V ±10% +3.3V ±10%	
Supply Current Idd	85.0 mA max	
Frequency Tolerance	±1.0 ppm at 25°C ±2°C	
Frequency Stability	vs Temperature vs Aging vs Voltage Change vs Load Change vs Reflow	±2.5 ppm over -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. , 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 x2 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	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)



Pin Connections

- #1 : GND
- #2 : E/D
- #3 : GND
- #4 : Output
- #5 : Complementary Output
- #6 : Vdd
- #7 : Do Not Connect
- #8 : Do Not Connect