

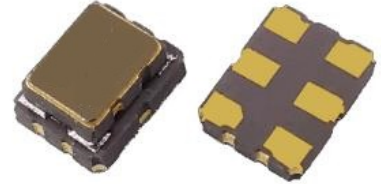
## SX3MTJ

# CML SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

## FEATURES

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

3.2 x 2.5 x 1.6 mm



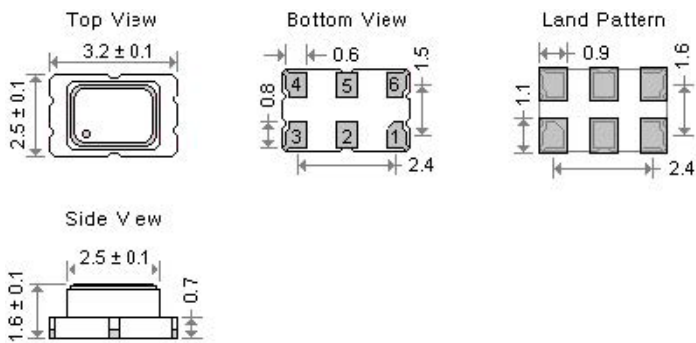
Item		Specification
Frequency Range		15 MHz ~ 2100.0 MHz
Output Signal		CML
Supply Voltage Vdd		+1.8V ±5% +2.5V ±10% +3.3V ±10%
Supply Current Idd		85.0 mA max
Frequency Tolerance		±1.0 ppm at 25°C ±2°C
Frequency Stability	vs Temperature vs Aging vs Voltage Change vs Load Change vs Reflow	±1.0 ppm over -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 #2 : low pin #4 : oscillation 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

SX3MTJ					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)



### Pin Connections

- #1 : GND
- #2 : E/D
- #3 : GND
- #4 : Output
- #5 : Complementary Output
- #6 : Vdd