HMI Frequency Technology | ECO Frequency Technology | KLOVE Frequency Technology

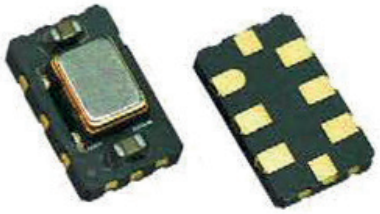
SX5HTJ

HCSL 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 ~ 700.0 MHz
Output Signal		HCSL
Supply Voltage Vdd		+1.8V ±5% +2.5V ±10% +3.3V ±10%
Supply Current Idd		115.0 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 ref ow and measured 24 hours afterwards
Output Voltage HIGH VOH		0.66 V min. , 1.15 V max
Output Voltage LOW VOL		0.0 V min. , 0.15 V max
Output Load		50 Ohm to GND
Symmetry		45 / 55 %
Rise / Fall time Fr/Ff		0.40 ns max.
Tri-state function		pin #2 : high or open — pin #4 : oscillation pin #2 : low — pin #4 : high impedance
Current with Output Disable		90 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 - 700 MHz — 250 fsec typ.
Packing Unit		1000pcs / reel
Soldering Condition		260°C , 10 sec x2 max

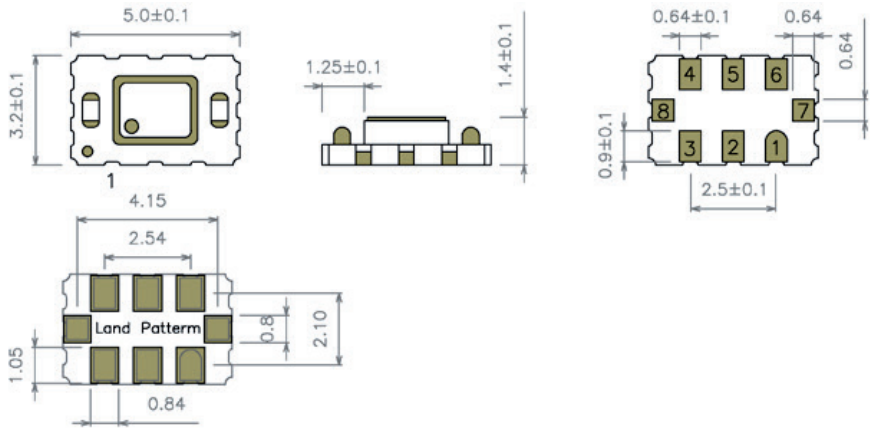
OPTIONS & ORDERING INFORMATION

SX5HTJ .... 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	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
#7 : Do Not Connect
#8 : Do Not Connect