HM International
Frequency Technology

European Crystal Organization
Frequency Technology
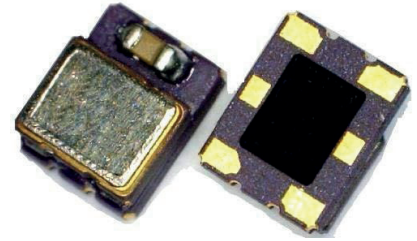
Klove Electronics
Frequency Technology

SX3ETP — LVPECL SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

- Miniature package
- Programmable TCXO
- One day delivery

3.2 x 2.5 x 1.7 mm

Item	Specification				
Frequency Range	10 MHz ~ 1450.0 MHz				
Output Signal	LVPECL				
Supply Voltage Vdd	+2.5V ±5% +3.3V ±5%				
Supply Current Idd	50.0 mA max , Frequency dependent				
Frequency Tolerance	±2.0 ppm at 25°C ±2°C (one hour after reflow)				
Frequency Stability vs Temperature (see options)		±0.5 ppm	±1.0 ppm	±1.5 ppm	±2.0 ppm	±2.5 ppm
	-20° to +70°C	O	O	O	O	O
	-30° to +75°C	O	O	O	O	O
	-30° to +85°C	◊	O	O	O	O
	-40° to +85°C	X	O	O	O	O
	O = available ◊ = please contact us X = not available				
Frequency Stability vs Aging	±1.0 ppm max. per year at 25°C				
Frequency Stability vs Voltage Change	±0.2 ppm max. , for a ±5% input voltage change				
Frequency Stability vs Load Change	±0.2 ppm max. , for a ±10% load condition change				
Output Voltage HIGH VOH	Vdd -1.03 V min. ; Vdd -0.95 V typ. ; Vdd -0.6 V max				
Output Voltage LOW VOL	Vdd -1.85 V min. ; Vdd -1.70 V typ. ; Vdd -1.60 V max				
Output Load	50 ohm to Vdd-2V				
Symmetry	45 / 55 %				
Rise / Fall time Fr/Ff	0.5 ns max.				
Tri-state function	pin #2 = high or open pin #4 - #5 ==> oscillation pin #2 = low pin #4 - #5 ==> high impedance				
Start-up Time	5 ms max.				
Integrated Phase Jitter (12 kHz to 20 MHz band)	1.5 ps typical				
Packing Unit	1000pcs / reel				
Soldering Condition	260°C , 10 sec ×2 max				

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OPTIONS & ORDERING INFORMATION

SX3ETP						MHz
	Supply Voltage *	Operating Temp. *	Temperature Stability *	Tri-state Function	Package type	Frequency in MHz
	25 = +2.5V	F = -20° / +70°C	0.5 = ±0.5 ppm	E2 = Tri-state , pin 2	6P = 6-pad version	Please specify the frequency in MHz
	33 = +3.3V	G = -30° / +75°C	1.0 = ±1.0 ppm			
		H = -30° / +85°C	1.5 = ±1.5 ppm			
		K = -40° / +85°C	2.0 = ±2.0 ppm			
			2.5 = ±2.5 ppm			

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

OUTLINE DIMENSIONS (MM)
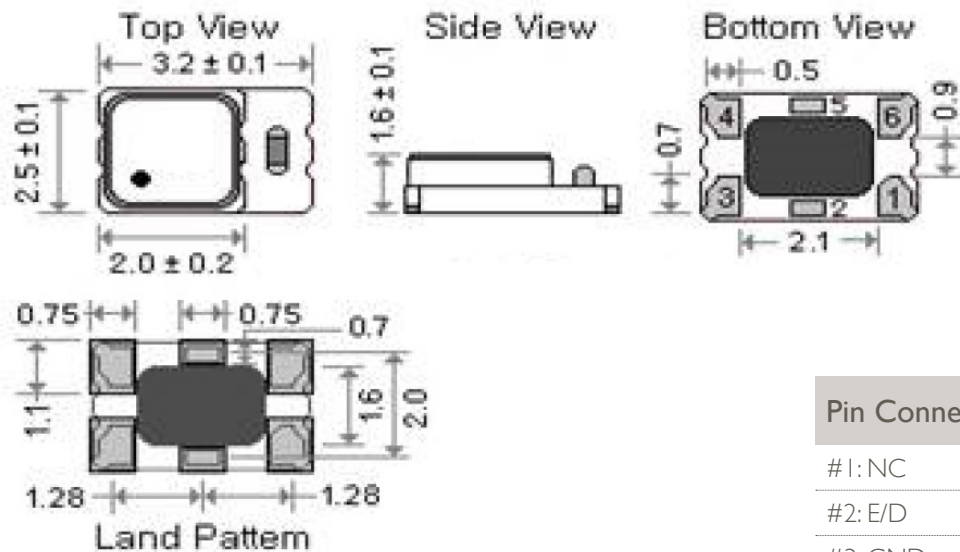
Pin Connections
#1: NC
#2: E/D
#3: GND
#4: Output
#5: Complementary Output
#6: Vdd