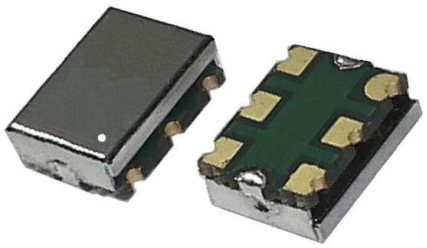
SX7ETQ

LVPECL SURFACE MOUNT TEMPERATURE COMPENSATED CRYSTAL CLOCK OSCILLATOR

FEATURES

- FR4 based package
- Low jitter
- Low current consumption

7.0 x 5.0 x 2.5 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 O -40° to +85°C ◊ 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 ==> oscillation pin#2 = low pin #4 ==> high impedance
Start-up Time	5 ms max.
Integrated Phase Jitter (12 kHz to 20 MHz band)	0.8 ps typical
Packing Unit	1000pcs / reel
Soldering Condition	260°C , 10 sec x2 max

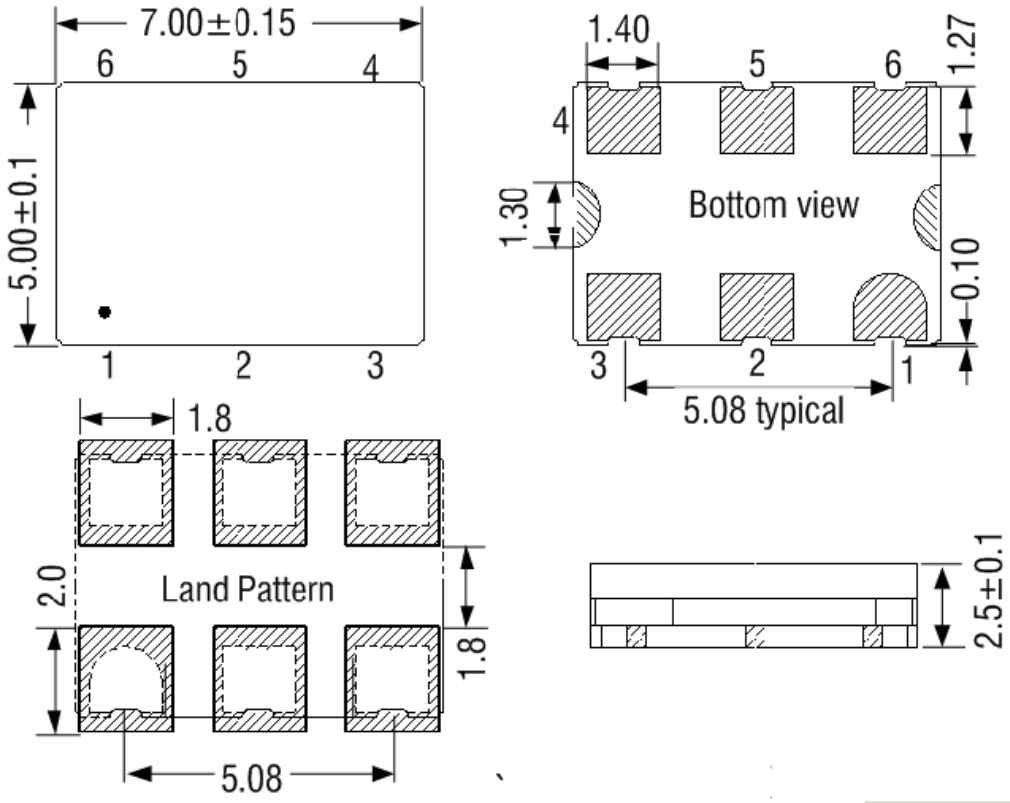
OPTIONS & ORDERING INFORMATION

SX7ETQ .....MHz

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

* 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