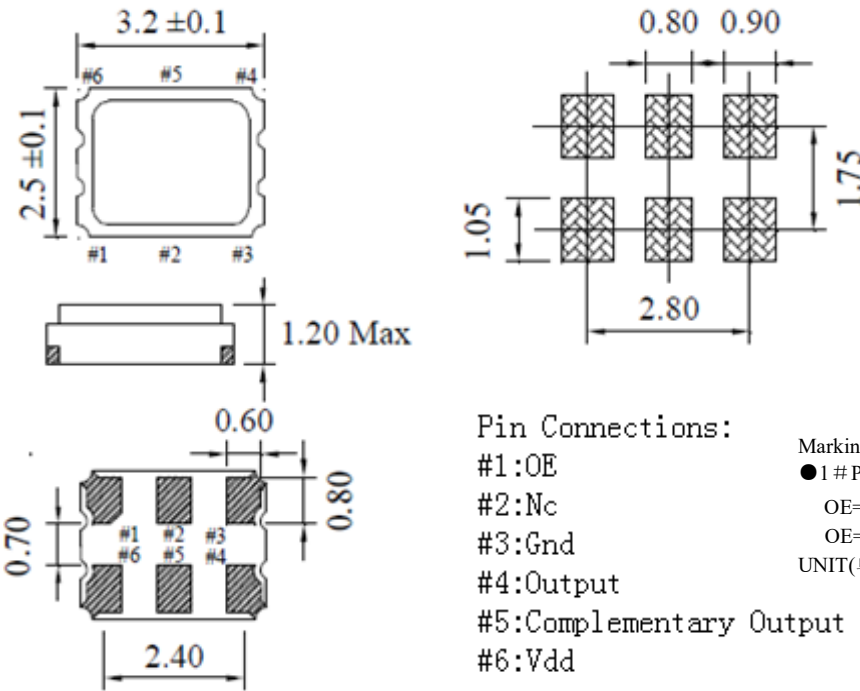


南京中电熊猫晶体科技有限公司 Nanjing CEC Panda Crystal Tech Corp.	Specifications of Oscillator 石英晶体振荡器规格书	NO: SLH-0021
	3.2×2.5 LVDS Oscillator	DATE: 2018/6/4

### ■ 外形及印字(DIMENSION AND MARKING)



#### Pin Connections:

- #1:OE
- #2:Nc
- #3:Gnd
- #4:Output
- #5:Complementary Output
- #6:Vdd

#### Marking Definitions(印字说明)

- 1 #PIN(1号脚)
- OE=High( $V_{IH}>0.7V_{DD}$ ) /Open: Specified frequency output
- OE=Low ( $V_{IL}<0.3V_{DD}$ ): Output is high impedance
- UNIT(单位)mm

### ■ 电气参数(ELECTRICAL SPECIFICATION)

Type	类型	3.2×2.5 LVDS Oscillator
Nominal Frequency	标称频率	13.500000 MHz ~ 156.250000MHz
Output	输出模式	LVDS
Operating Voltage	工作电压	2.375 V~3.63V
Operating Temperature Range	工作温度范围	-40℃ ~ +85℃
Storage Temperature Range	保存温度范围	-40℃ ~ +85℃
Output Load Condition	负载	100 ohms (connected between OUT to OUT)
Frequency Stability over Operating Temperature	频率稳定度	±50 ppm Max.(Includes initial tolerance,supply voltage change(5%), load change(5%) and aging(1st year))
Current Consumption	消耗电流	20 mA Max.(f:13.5MHz~40MHz) 30 mA Max.(f:40MHz~60MHz) 40 mA Max.(f:60MHz~100MHz) 60 mA Max.(f:100MHz~156.25MHz)
Duty Cycle	占空比	40%-60%
T-Rise/Fall	上升/下降时间	0.4 ns Max.(20%~80%Vdd)
Start-up Time	开始时间	10 ms Max.
High Output Voltage	高电平	1.6 V Max,1.43 V Typ.
Low Output Voltage	低电平	0.9 V Min.1.1 V Typ.
Differential Voltage	差分输出电压	247 mV ~ 454 mV, 330 mV Typ.
Phase Jitter RMS	相位抖动	1 ps Max.(12KHz-20MHz)
Aging	老化率	±3 ppm/year Max.
Other	其它	Tape & Reel
Note		