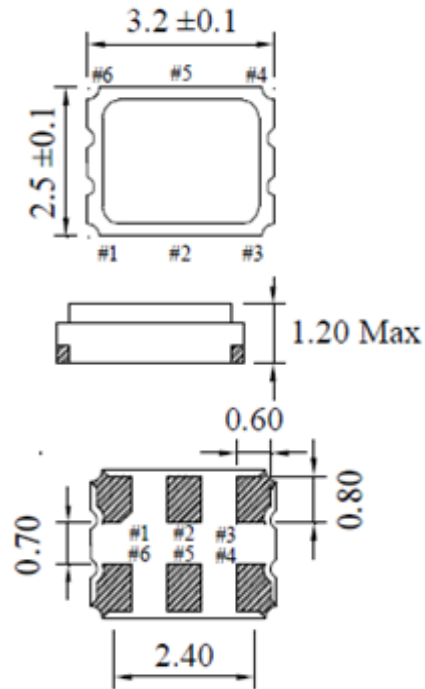


南京中电熊猫晶体科技有限公司 Nanjing CEC Panda Crystal Tech Corp.	Specifications of Voltage Control Oscillator 电压控制晶体振荡器	NO: SVB-0001
	3.2×2.5 VCXO	DATE: 2018/6/4

■ 外形及印字(DIMENSION AND MARKING)



Pin Connections:
 #1: Voltage Control
 #2: OE
 #3: Gnd
 #4: Output
 #5: Nc
 #6: Vdd

Marking Definition

● 2# PIN

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 VCXO
Nominal Frequency	标称频率	1.000000 MHz ~ 60.000000MHz
Output	输出模式	CMOS
Operating Voltage	工作电压	1.8 V(F:4MHz ~54MHz) 3.3 V(F:1MHz ~60MHz) 5.0 V(F:1MHz ~60MHz)
Control Voltage	控制电压	0.9 V±0.8 V 1.65 V±1.5 V 2.5 V±2.25 V
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	15 PF
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))
Pullability	牵引	±100 ppm Min.(Vcon)
Linearity	线性	±10% Max.
Current Consumption	消耗电流	10 mA Max.(f:1MHz~10MHz) 20 mA Max.(f:10MHz~40MHz) 30 mA Max.(f:40MHz~60MHz)
Duty Cycle	占空比	40%-60%
T-Rise/Fall	上升/下降时间	6 ns Max.
Start-up Time	开始时间	10 ms Max.
High Output Voltage	高电平	0.9Vdd Min.
Low Output Voltage	低电平	0.1Vdd Max.
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		