

- **Crystal Oscillator (晶体振荡器) – VCXO series (压控晶振系列)**
- **Voltage Control Crystal Oscillator SMD VCXO-7050 Series (表贴型压控晶振)**



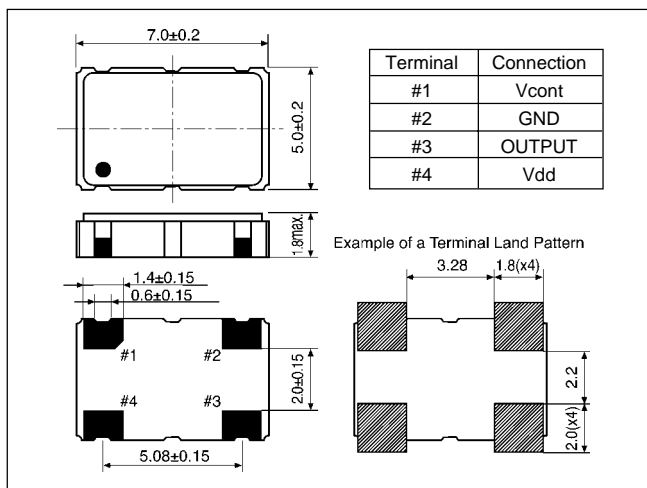
- **Applications 用途:**  
ADSL, Cable modem, Set top box, MPEG, etc.  
宽带网通讯, 有线调制解调器, 机顶盒, 动态影像, 压缩器等。
- **Features 特征:**
  - Thin surface mount ceramic package. 薄形陶瓷表面贴封装。
  - Low power consumption. 低功率消耗。
  - Tape & reel packing. 编带包装。

● **Typical specifications 规格参数**

Model	型 号	VCXO-7050	
Frequency range	频率范围	2~47MHz	
Nominal frequency	标称频率	27.000, 35.328MHz	
Frequency stability	总频差	$\pm 30 \times 10^{-6}$ max. $\pm 50 \times 10^{-6}$ max.	
Operating temperature range	温度范围	-20~+70°C	
Storage temperature range	储存温度	-40~+85°C	
Power supply voltage	供给电压	+5.0VDC	+3.3VDC
External control function/ External control voltage	外控功能 外控电压	$\pm 100 \times 10^{-6}$ min. /+2.5V $\pm 2.0$ VDC	$\pm 100 \times 10^{-6}$ min. /+1.65V $\pm 1.35$ VDC
Current consumption	消耗电流	15mA(F $\leq$ 20MHz)/20mA(20-30MHz) 25mA(> 30MHz)/30mA(> 40MHz)	*10mA(F $\leq$ 20MHz)/ *15mA(20-30MHz) *20mA(> 30MHz)/ * 25mA(> 40MHz)
Output 输出	Load	负 载	CMOS (15pF)
	Voltage	电 压	Vol:0.1 Vdd max. Voh:0.9 Vdd min.
	Rise & fall time	上升及下降时间	10ns max.6ns max.(F > 10MHz) at 10%~90% Vcc
	Symmetry	占 空 比	45%~55% at 1/2Vcc
Phase noise**	相位噪声	-130 dBc/Hz Typ.(at 1.0KHz)	

- Please consult for other specifications. (若有其它规格需求请告知)
- \* Vdd:+3.3V    \*\* Performance varies based on different specification. (性能的变化, 根据不同规格而定)

● **Outline Dimensions [Unit: mm] 外形尺寸**



● **Measuring Circuit 量测电路**

