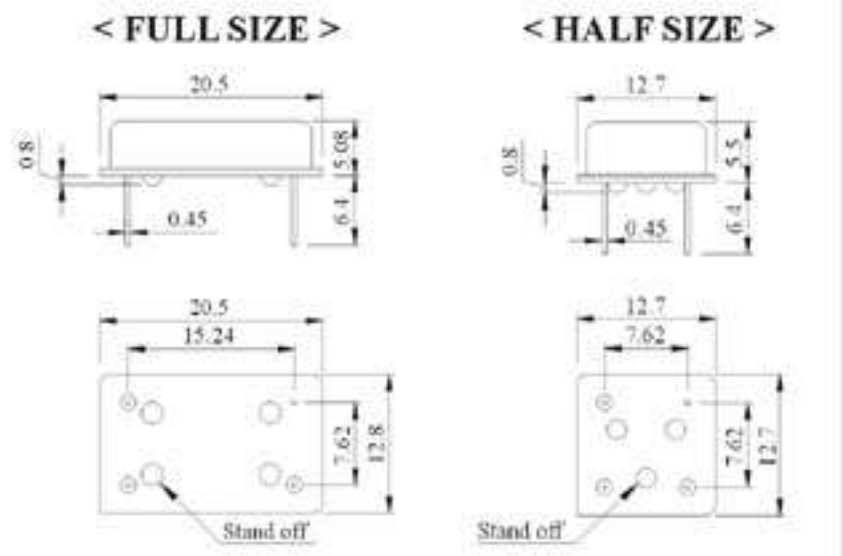
RoHS Products

Voltage Controlled Crystal Oscillator（VCXO） 电压控制晶体振荡器

LOW FREQUENCY VCXO

High speed CMOS
High reliability and precision
Set top box
ADSL Modem

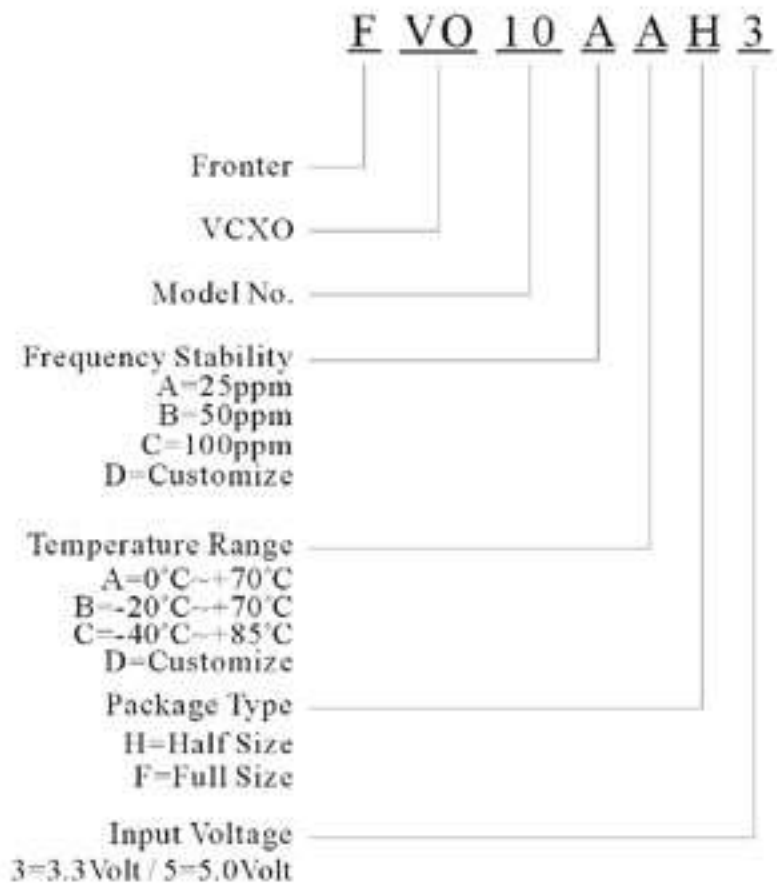
DIMENSIONS(Unit:mm) 外形尺寸



PARAMETERS 技术参数(FVO 10 Series)

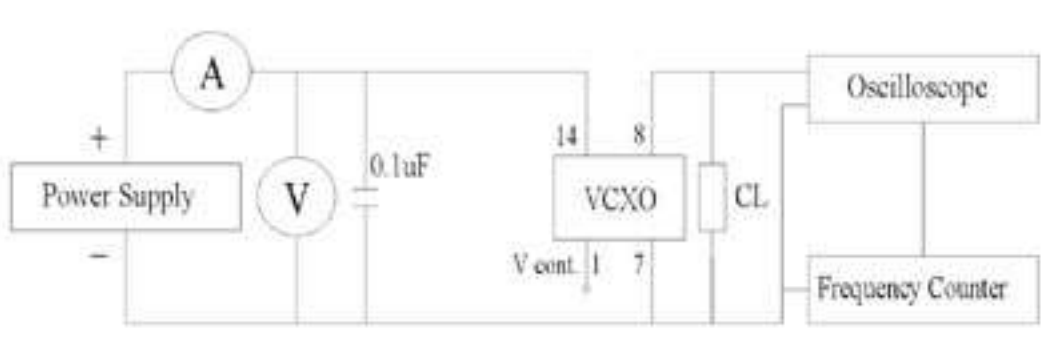
ELECTRICAL SPECIFICATIONS		
Frequency Range 频率范围	1.000MHz to 35.999MHz	
Frequency Stability 频率稳定度	±25ppm / ±50ppm / ±100ppm (Standard)	
	Inclusive of operating temperature range	
Operating Temperature Range	0°C~+70°C	
Storage Temperature Range	-40°C~+85°C	
Input Voltage 输入电压	+5Vdc ±0.5V	+3.3Vdc ±0.3V
Input Current 输入电流	30mA max.	20mA max.
0/1 Level 0/1 电平	+0.5V max./+4.5V min.	+0.4V max./+3.0V min.
Pull Ability 压控范围	±100ppm min. (Typical) (At 2.5Volt 2V)	±100ppm min. (Typical) (At 1.65Volts 1.35V)
Linearity 线性度	±10% max. (Typical)	±10% max. (Typical)
Symmetry 占空比	60/40% or 40/60% (Typical)	
Rise & Fall time 上升时间/ 下降时间	10nS max.	
Start up time 起振时间	10mS max.	
Fan out 输出负载	15pF//10TTL	
Aging (at 25 ℃) 年老化率	±5ppm / Year max.	
ENVIRONMENTAL & MECHANICAL SPECIFICATIONS		
Shock 抗冲击性能	FIL-STD-883C, Method 2002, Condition B	
Vibration 抗振性能	FIL-STD-883C, Method 2007, Condition A	
Solderability 焊接性能	FIL-STD-883C, Method 2003	
Seal Integrity 密封性能	FIL-STD-883C, Method 1014, Condition C & A2	
Marking 标记	FIL-STD-883C, Method 215	

PART NUMBER GUIDE 部件号示例



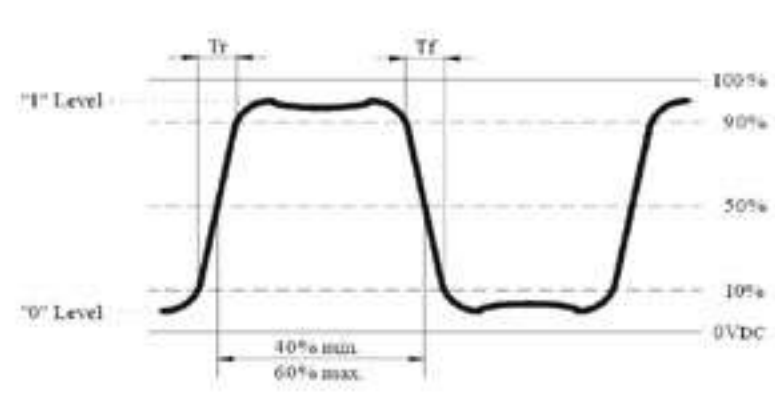
Specifications subjects to change without notice & if you need other specifications, please contact our factory.

TEST CIRCUIT 测试原理图



NOTES : CL ... 15pF INCLUDES ALL STRAY AND SCOPE/FREQ CTR LOADING CAPACITANCE

WAVE FORM 波形图



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