RoHS Products

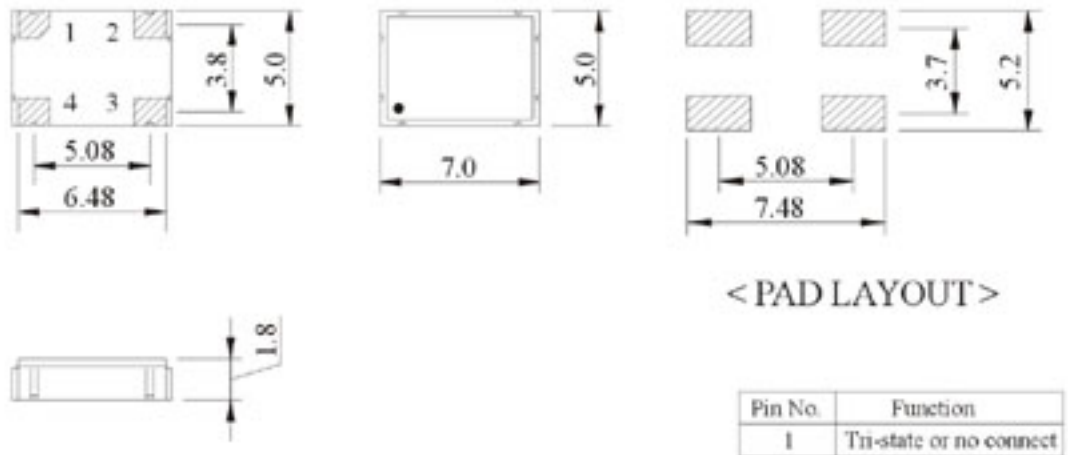
Voltage Controlled Crystal Oscillator（VCXO） 电压控制晶体振荡器

CERAMIC SMD VCXO

Low Height
High Speed CMOS
Set Top Box
CCD System



DIMENSIONS(Unit:mm) 外形尺寸



<PAD LAYOUT>

Pin No.	Function
1	Tri-state or no connect
2	GND
3	Frequency output
4	Vcc

PARAMETERS 技术参数 (FVO 13 Series)

ELECTRICAL SPECIFICATIONS			
Frequency Range 频率范围	1.000MHz to 125.000MHz		
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	60mA max.		40mA 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)		±30% max. (Typical)
Symmetry 占空比	60/40% or 40/60% (Typical)		
Rise & Fall time 上升和下降时间	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		

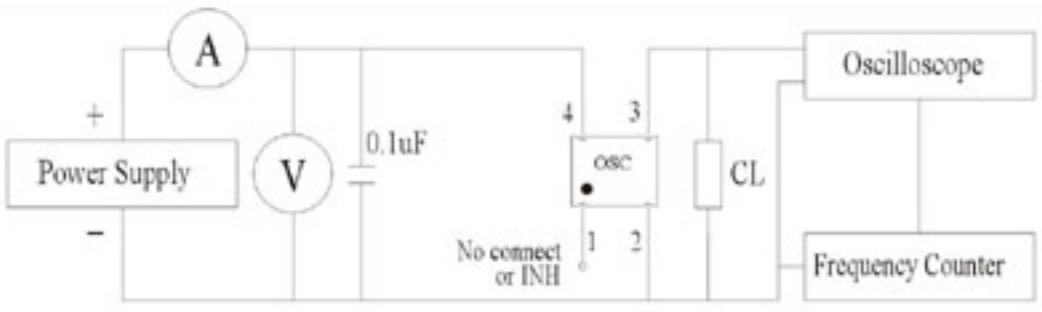
PART NUMBER GUIDE

F VO 13 A A 3

Fronter
VCXO
Model No.
Frequency Stability
A=25ppm
B=50ppm
C=100ppm
D=Customize
Temperature Range
A=0°C~+70°C
B=-20°C~+70°C
C=-40°C~+85°C
D=Customize
Input Voltage
3=3.3Volt / 5=5.0Volt

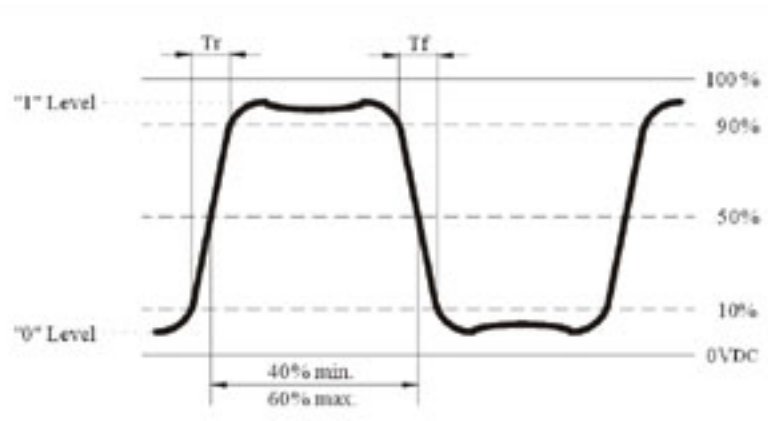
Specifications subjects to change without notice & if you need other specifications, please contact our factory.

TEST CIRCUIT 测试原理图



NOTES : 1.CL ...15pF INCLUDES ALL STRAY AND SCOPE/FREQ.CTR. LOADING CAPACITANCE
2.ALL DIODES IN916 OR EQUIVALENT

WAVE FORM 波形图



Address: Rm 1112-1117, 11/F., Ximian Center, NO. 6021, Shennan Rd. Shenzhen Guangdong 518040, China Tel:(86) 755-83458718 Fax:(86)755-83459818 E-mail: sales@chinafronter.com