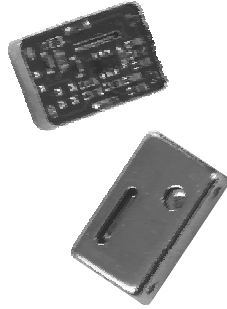


Temperature Compensated Crystal Oscillator (TCXO)

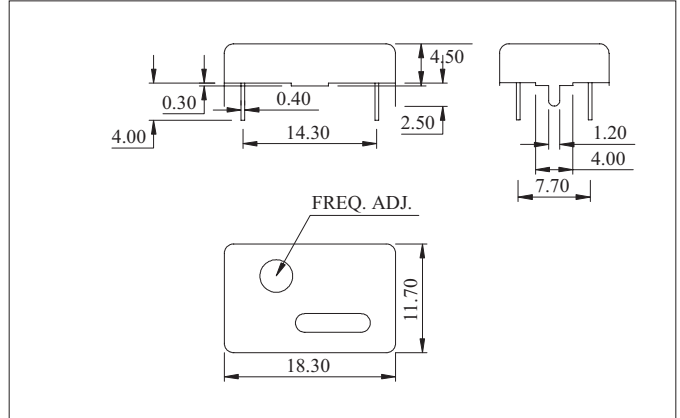
温度补偿晶体振荡器

CMOS / TTL COMPATIBLE LOGIC

- Stable frequency
- High reliability and precision
- Measurement system
- Communication system



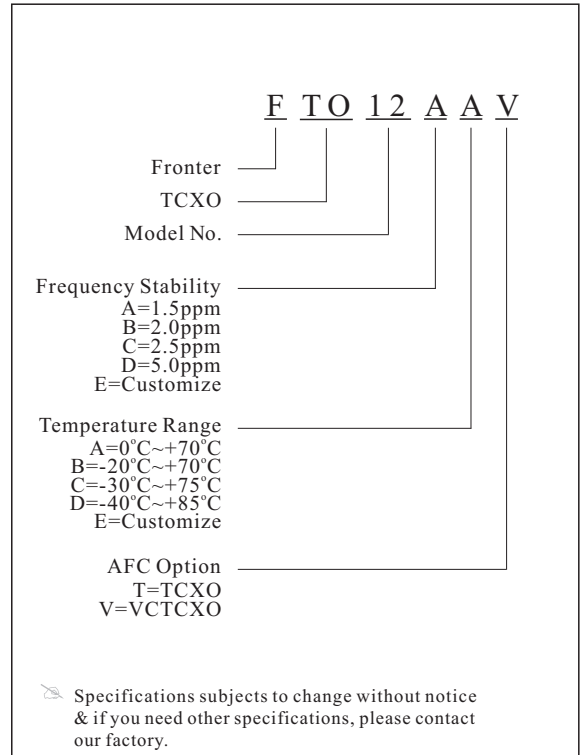
DIMENSIONS(Unit:mm) 外形尺寸



PARAMETERS 技术参数 (FTO 12 Series)

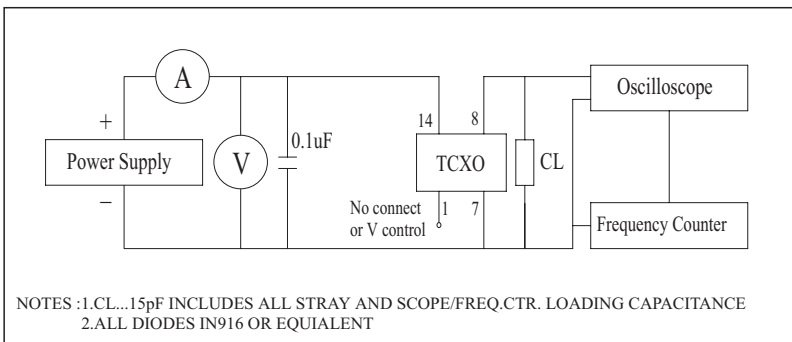
ELECTRICAL SPECIFICATIONS	
Frequency Range 频率范围	9.600MHz to 50.000MHz
Frequency Stability 频率稳定度	±1.5ppm ±2.0ppm ±2.5ppm ±5.0ppm Inclusive of operating temperature range
Operating Temperature Range	0°C~+70°C
Storage Temperature Range	-40°C~+85°C
Input Voltage 输入电压	+5Vdc ±0.5V
Input Current 输入电流	25mA max.
Output Wave Form 输出波形	+5Vdc ±0.5V +3.3Vdc ±0.3V
0/1 Level 0/1电平	35mA max. 25mA max.
Rise & Fall time 上升和下降时间	10nS max. 5nS max.
Symmetry 占空比	60/40% or 40/60% (Typical)
Input Voltage Stability 输入电压稳定度	±0.3ppm max. (At +5Vdc ±0.5V)
Frequency Adjustment 频率调整度	±3.0ppm min. by internal trimmer
Load 负载	10TTL//15pF
Aging (at 25 °C) 老化率	±1.0ppm / Year max.
AFC Characteristic(Optional)	±5.0ppm min. (At / +2.5Vdc ±2.0V)
ENVIRONMENTAL & MECHANICAL SPECIFICATIONS	
Shock 抗冲击度	MIL-STD-883C, Method 2002, Condition B
Vibration 抗振性度	MIL-STD-883C, Method 2007, Condition A
Solderability 焊接性度	MIL-STD-883C, Method 2003
Marking 标记	MIL-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



WAVE FORM 波形图

