

# 2.5x2.0 32.768KHz SMD OSCILLATOR



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## 产品规格书 SPECIFICATION

### FEATURE

- 32.768kHz output SPXO-IC for AT-cut crystal
- Excellent frequency stability over wide temperature range realized by third-order temperature characteristics specific to AT-cut crystal.
- Reflow soldering.
- Pb-free and RoHS/Green compliant.

### APPLICATIONS

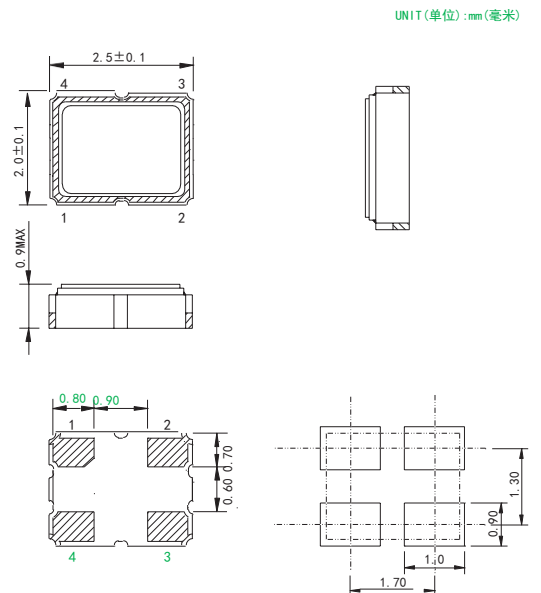
- Ideally suited designed for use in Ethernet, network adapter cards, devices, blue tooth, PCMCIA Cards, Palmtop Computer, Portable Applications.



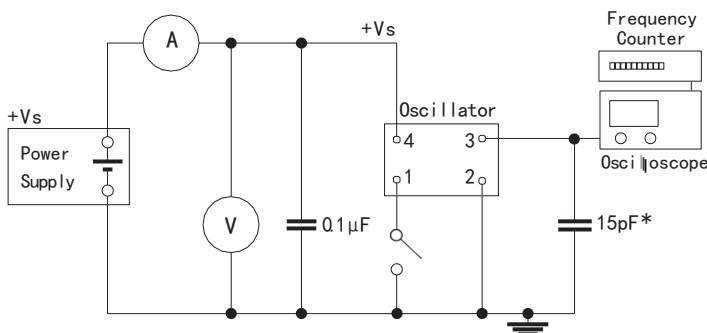
### Electrical Characteristics 技术指标

型号	Holder Type	2.5x2.0mm SMD OSCILLATOR
频率输出	Frequency Output	32.768KHz
常温频差	Frequency Tolerance	±10ppm to ±30ppm ( at 25℃ )
温度频差	Temperature Drift	±15ppm to ±30ppm ( at -40℃ - +85℃ )
输入电压	Supply Voltage	1.8V to 3.3V
工作温度范围	Operating Temperature Range	-20℃ - +70℃ / -40℃ - +85℃
储存温度范围	Storage Temperature Range	-40℃ - +85℃ / -55℃ - +125℃
占空比	Symmetry ( Duty Cycle )	45/55 Standard
输出模式	Output Load	15pF Hcmos
消耗电流	Current Consumption ( No load condition, VCC=3.0V )	90uA MAX.
上升/下降时间	Rise/Fall Time	130 nS max.
起振时间	Start Time	10 mSec Max.
老化率	Aging	± 3ppm

### Mechanical Dimensions 外型尺寸



### Test Circuit (测试电路)



suggested solder pad layout

PIN	FUNCTION
1	Tri-state*(See Notes)
2	Ground
3	Output
4	Vdd

※Notes:

Tri-state: PIN 1 connected to Vdd or floating, the product is working properly; connected to GND, stops working.