

# 7.0x5.0 SMD 32.768KHz Low Power Oscillator

 深圳市晶鸿辉电子有限公司

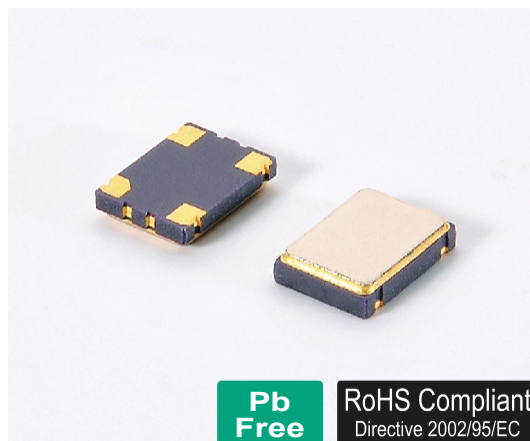
深圳市福田区福虹路世贸广场裙楼 4 楼 网址: <http://www.jhhdz.com>  
 电话: (755) 8365 1619 传真: (755) 8387 6331 QQ: 40395117 邮箱: sz\_ysdz@163.com  
**产品规格书 SPECIFICATION**

## FEATURE

- 32.768kHz output SPXO-IC for AT-cut crystal
- Ultra-low current consumption comparable to tuning fork crystal
- Excellent frequency stability over wide temperature range realized by third-order temperature characteristics specific to AT-cut crystal.
- Low power standby mode.
- Reflow soldering.
- Pb-free and RoHS/Green compliant.

## APPLICATIONS

- Ideally suited designed for discdrives, NB, Networking, GPS/Navigation, BlueTooth, Ethernet, ADSL, VDSL, Fiber channel hand-held electronic products.

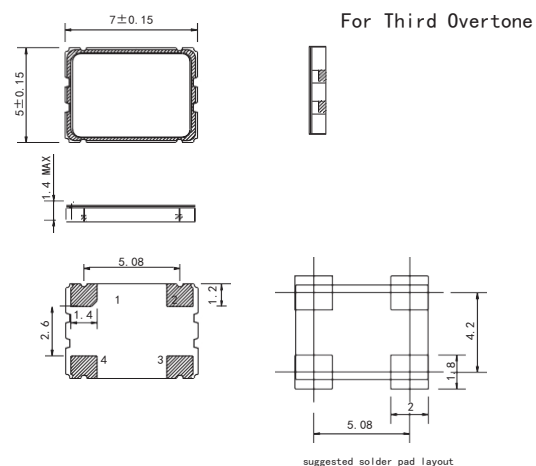
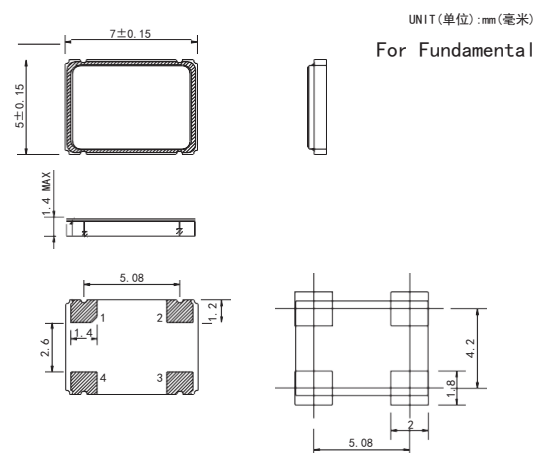


**Pb Free** **RoHS Compliant**  
 Directive 2002/95/EC

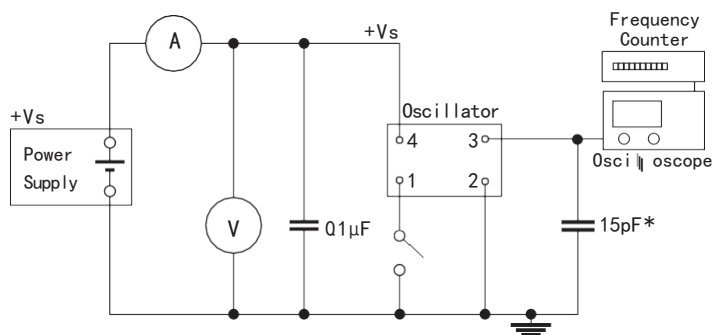
## Electrical Characteristics 技术指标

型号	Holder Type	7.0x5.0mm SMD OSCILLATOR
频率输出	Frequency Output	32.768KHz
常温频差	Frequency Tolerance	±10ppm to ±30ppm ( at 25°C )
温度频差	Temperature Drift	±15ppm to ±30ppm ( at -40°C - +85°C )
输入电压	Supply Voltage	1.8V to 3.3V
工作温度范围	Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
储存温度范围	Storage Temperature Range	-40°C - +85°C/-55°C - +125°C
占空比	Symmetry ( Duty Cycle )	45/55 Standard
输出模式	Output Load	15pF Hmos
消耗电流	Current Consumption ( No load condition, VCC=3.0V )	7.2 uA 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)



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.