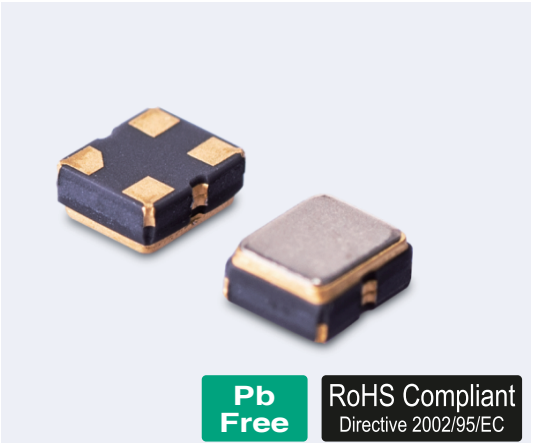
1CM Series 2.0x1.6 SMD MultiVolt Crystal Oscillator

FEATURE

- Tight frequence tolerance.
- CMOS compatible logic levels.
- Pin-compatible with standard 2.0×1.6mm packages.
- Designed for standard reflow and washing techniques.
- Low power standby mode.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Low power/portable, industrial, and Internet of Things(IoT) applications.



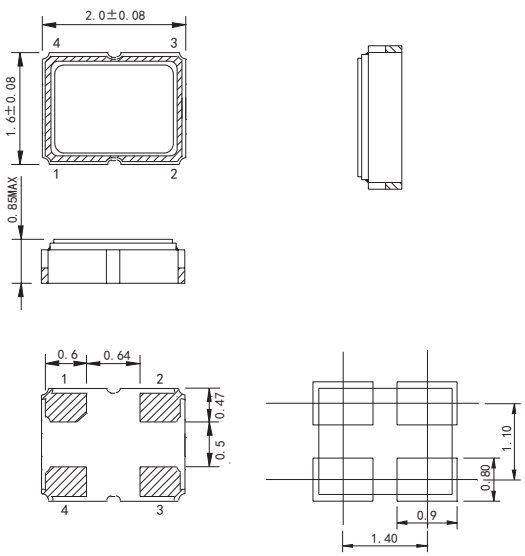
•Electrical Specifications 电气参数

型号	Holder Type	2.0x1.6mm SMD MultiVolt Crystal Oscillator
频率范围	Frequency Range	1.000 Mhz to 64 MHz
总频差	Frequency Stability	±20ppm to ±50ppm
输入电压	Supply Voltage	1.62V to 3.63V※(See Notes)
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	Output Load	15pF Hcmos
消耗电流	Current Consumption（15pf only）	1.000Mhz - 49.999Mhz=20mA max
	(3.3V)	50.000Mhz - 64.000Mhz=30mA max
	Current Consumption（15pf only）	1.000Mhz - 49.999Mhz=15mA max
	(1.8V 2.5V 2.8V)	50.000Mhz - 64.000Mhz=25mA max
上升/下降时间	Rise/Fall Time	5 nS max

※Notes: The series is compatible with 1.8V, 2.5V, or 3.3V power supplies.

•Mechanical Dimensions 外型尺寸

UNIT(单位):mm(毫米)



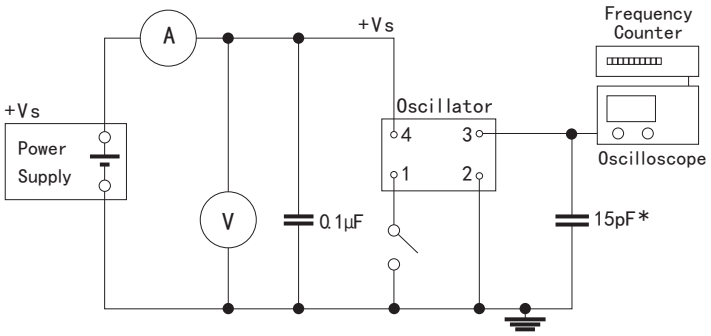
suggested solder pad layout

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.

•Test Circuit（测试电路）



SCTF
The above specifications are standard for SCTF product
If you have special requirement please Contact SCTF sales with your enquiries
Tel:0086-0755-86097430, 0086-0755-86097250
Fax:0086-0755-86097259
E-mail:sales@sctf-crystal.com http://www.sctf-crystal.com