

3.2x2.5 SMD VCTCXO



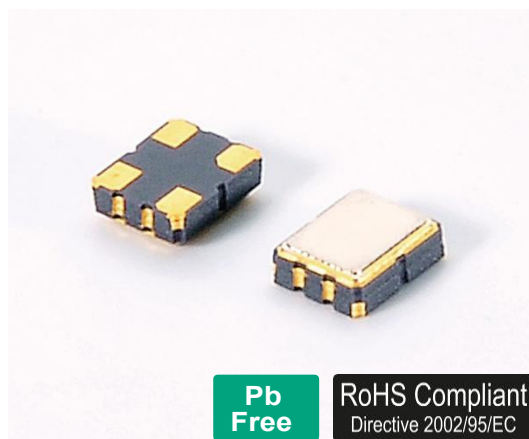
深圳市锐晶电子有限公司
Shenzhen Rojon Electronics Co., LTD.

FEATURE

- SMD type Crystal Oscillator
- Miniature and lightweight
- Low phase noise
- One Chip IC assures high reliability

APPLICATION

- Mobile phones, GPS applications and other mobile communications.



Pb
Free

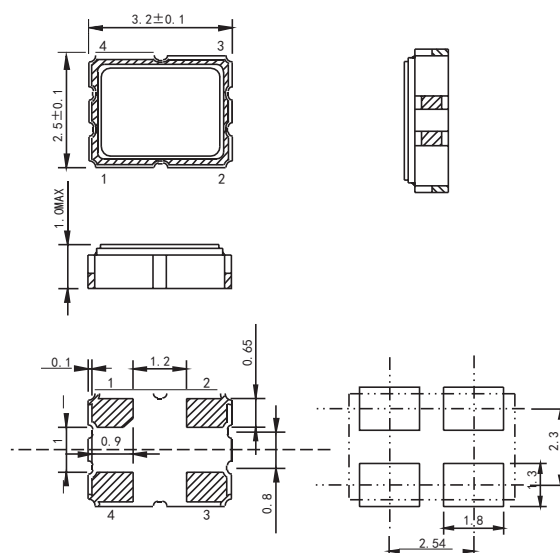
RoHS Compliant
Directive 2002/95/EC

Electrical Specifications 电气参数

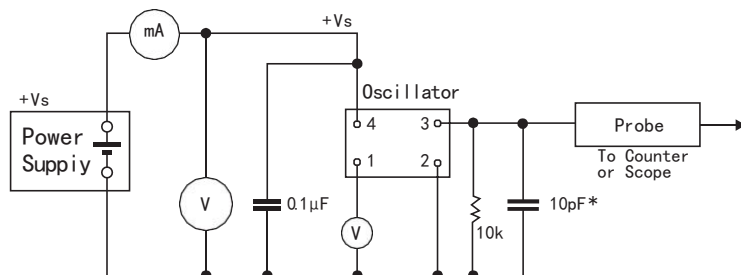
型号	Holder Type	VC-TCXO	TCXO
频率范围	Frequency Range	13.000 Mhz ~ 52.000 Mhz	
典型频点	Typical Frequency	16.367667 Mhz/16.368 Mhz/16.369 Mhz 19.2 Mhz/26Mhz/38.4Mhz	
电源电压	Supply Voltage	1.8±0.1V, 2.8V ±5%, 3.0±5% (电源电压范围: 1.7V~3.3V)	
频率偏差	Frequency Tolerance	±2.0ppm Max (at 25°C after 2 reflows)	
频率对温度变动特性	Frequency Vs. Temperature	±0.5ppm / ±2.0ppm	
频率对负载变动特性	Frequency Vs. Load	±0.2ppm Max.	
频率对电源电压特性	Frequency Vs. Supply Voltage	±0.2ppm Max.	
功耗	Current Consumption	2.0mA Max.	
频率控制范围	Auto Frequency Control Range	±8ppm ~ ±15ppm	—
工作温度范围	Operating Temperature Range	-30°C ~ +85°C	
保存温度范围	Storage Temperature Range	-40°C ~ +85°C	
输出负载	Output Load	10KΩ // 10 pF	
相位噪声	Phase Noise	-130dBc/Hz at 1KHz offset	
老化	Aging	±1 ppm Max	

Mechanical Dimensions 外型尺寸

UNIT (单位): mm (毫米)



Test Circuit (测试电路)



脚位 PIN	脚位连接 Connection	
1	VC-TCXO	TCXO
2	Vc	N. C.
3	GND	OUT
4	OUT	Vcc

※Note: 0.01μF bypass capacitor should be placed between Vcc (PIN4) and GND (PIN2) to minimize power supply line noise.

