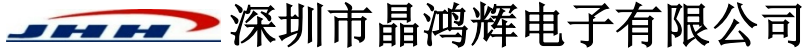


3.2x2.5 SMD VCTCXO



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产品规格书 SPECIFICATION

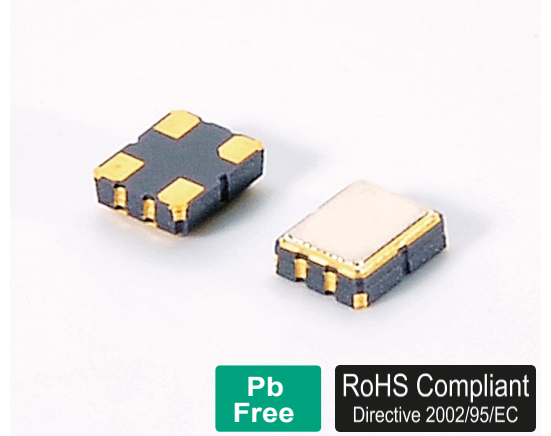
标题 Title: 石英晶体温补振荡器规格书

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

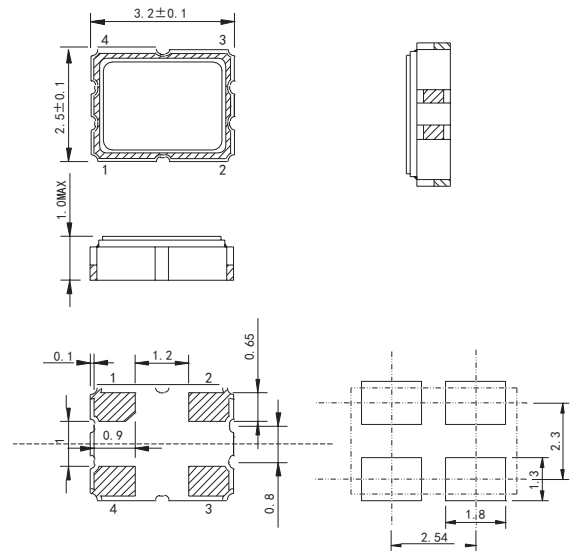
RoHS Compliant
Directive 2002/95/EC

Electrical Characteristics 技术指标

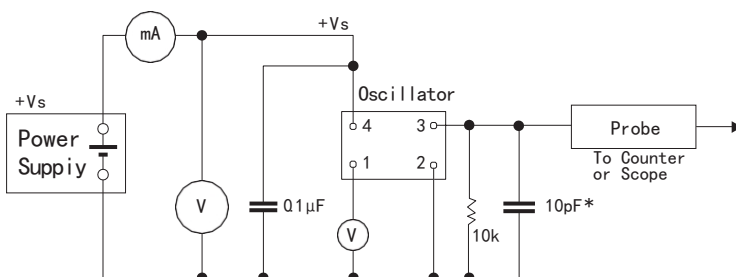
型号	Holder Type	VC-TCXO	TCXO
频率范围	Frequency Range	13.000 Mhz - 52.000 Mhz	
典型频点	Typcial Frequency	16.367667 Mhz/16.368 Mhz/16.369 Mhz 19.2 Mhz/26Mhz/38.4Mhz	
电源电压	Supply Voltage	1.8±0.1V, 2.8V ±5%, 3.0±5% (电源电压范围: 1.7V~3.3V)	
频率偏差	Frequency Tolerance	±2.0ppm Max (at 25°C afer 2 reflows)	
频率对温度变动特性	Frequency 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	10K Ω // 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	
	VC-TCXO	TCXO
1	Vc	N. C.
2	GND	
3	OUT	
4	Vcc	

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