3.2×2.5 SMD VCTCXO

•Part Number Guide

T-V-FF.FFFM-FT-FS-OT-OP-S

T(Type型号)：TC=3.2x2.5 SMD TCXO VTC=3.2x2.5 SMD VCTCXO

V(Input Voltage输入电压)：3=3.3V,5=5.0V,etc

F(Frequency标称频率)：Normal – 5 digitals of Frequency, e.g. 13.000M, 20.000M

Special – All digitals of Frequency, e.g. 16.367667M

FT(Frequency Tolerance 室温频差)：A=0.5ppm, B=1ppm, C=1.5ppm, D=2ppm, E=2.5ppm,etc

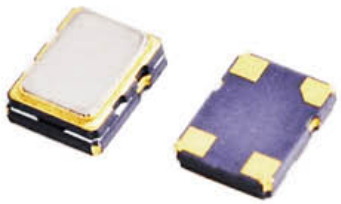
FS(Frequency Stability 温度频差)：A=0.5ppm, B=1ppm, C=1.5ppm, D=2ppm, E=2.5ppm,etc

OT(Operating Temperature工作温度)：A=0°C to+50°C ,B=0°C to+70°C ,C=–20°C to+70°C

D=–20°C to+75°C ,E=–30°C to+75°C ,F=–30°C to+85°C ,G=–40°C to+85°C

OP(Output Load输出)：A=Clipped sinewave,B=Square HCMOS

S(Special Requirement特殊要求)



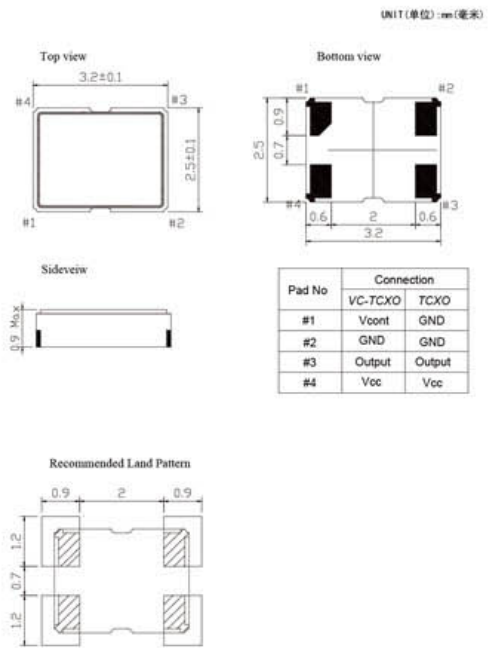
Pb Free

RoHS Compliant
Directive 2002/95/EC

•Electrical Specifications 电气参数

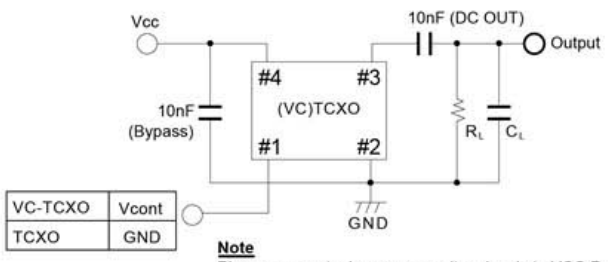
型号	Holder Type	3.2×2.5 SMD VCTCXO
频率范围	Frequency Range	10.000M to 52.000M
典型频点	Typical Frequency	10.000M/16.367667M/26.000M
输入电压	Supply Voltage	1.8V to 3.3V
工作温度范围	Operating Temperature Range	-10℃ ~ +60℃ to -40℃ ~ +85℃
储存温度范围	Storage Temperature Range	-40℃ to +85℃
负载	Load	（10KΩ//10pF）±10%
频率偏差	Frequency Tolerance	1PPM,2.5PPM Max
频率稳定度	Frequency Stability	0.5PPM,2.5PPM Max
频率-电压稳定度	Vs. Supply Voltage	0.2PPM
频率-负载稳定度	Vs. Load	0.2PPM
老化	Aging	1PPM
消耗电流	Current Consumption	3mA Max
电压控制范围（VCTCXO）	Voltage control range （VCTCXO）	±9PPM ~±16PPM
启振时间	Start Time	3ms Max
相位噪声	offset	Phase Noise
	1Hz	-50dBc/Hz typ.
	10Hz	-80dBc/Hz typ.
	100Hz	-110dBc/Hz typ.
	1KHz	-130dBc/Hz typ.
	10KHz	-145dBc/Hz typ.

•Mechanical Dimensions 外型尺寸



Pad No	Connection	
	VC-TCXO	*TCXO*
#1	Vcont	GND
#2	GND	GND
#3	Output	Output
#4	Vcc	Vcc

•Test Circuit 测试电路



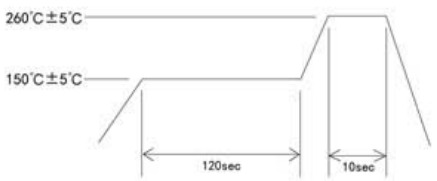
VC-TCXO	Vcont
TCXO	GND

Note

Please connect a bypass capacitor closely to VCC Pad.

Load Capacitance(CL)includes probe and test board capacitance.

•Reflow Condition 回流焊条件



CYCLE TIME:200sec Max.