

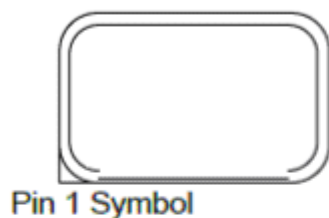
压控晶体振荡器 (VCXO)

■ 技术指标:

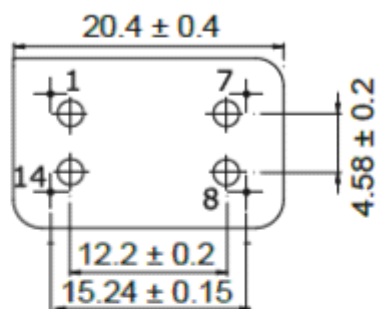
指标名称 PARAMETER		值和单位 Value and Unit	条 件 conditions
标 称 频 率 Nominal Frequency		1.000 - 200.00MHz	25℃
频率稳定度 Frequency stability	温度稳定度 VS Temperature	$\leq \pm 25\text{ppm}$	-20℃~+70℃
		$\leq \pm 50\text{ppm}$	-40℃~+100℃
	年老化率 Aging	$\leq \pm 3.0\text{ppm}$	First year
	频率准确度 Calibration frequency	$\leq \pm 25\text{ppm}$	VCC=VCC/2
电调 Frequency control	压控电压: Voltage Controlled	1.65V $\pm$ 1.65V	VCC=3.3V
		2.5V $\pm$ 2.5V	VCC=5.0V
	压控频率 Pullability	$\pm 100\text{ppm min}$	1.65V $\pm$ 1.65V
			2.5V $\pm$ 2.5V
	线性度 Linearity	10% max	
输出 Out signal	波形 wave	HCMOS	
	幅度 level	VOH:3.0V min VOL:0.3V max	VCC=3.3V
		VOH:4.5V min VOL:0.5V max	VCC=5.0V
	负载 load	15pF-50pF	
	占空比 Duty cycle	45%~55%	
电源 Power	供电电压 Power Supply	+3.3 $\times$ (1 $\pm$ 5%) V	
		+5.0 $\times$ (1 $\pm$ 5%) V	
	工作电流 Current consumption	$\leq 15\text{mA}$	+3.3 $\times$ (1 $\pm$ 5%) V
		$\leq 35\text{mA}$	+5.0 $\times$ (1 $\pm$ 5%) V
温度范围 Temperature Range	工作温度 Operating temperature	-20℃~+100℃	
	储藏温度 Storage temperature	-55~125℃	
Package	外形尺寸(max) Outside measurement	20.4 $\times$ 12.8 $\times$ 5.5	mm

Package:

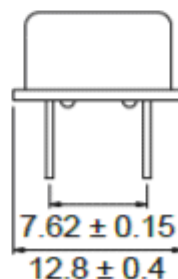
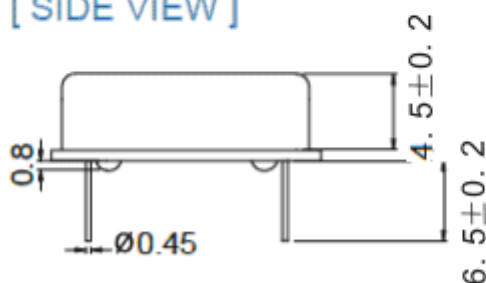
[TOP VIEW]



[BOTTOM VIEW]



[SIDE VIEW]



UNIT : mm

Recommended soldering pattern

引脚定义:

引脚	定义
1	压控 V _{CON}
7	电源负/地 GND
8	频率输出 OUT
14	电源正 VCC