



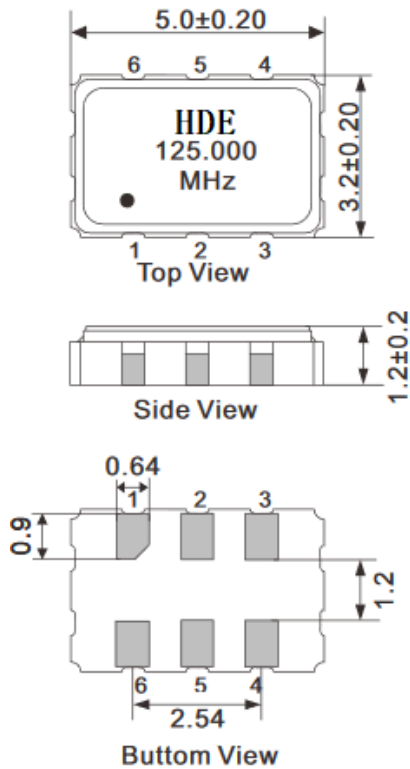
压控晶体振荡器 (VCXO)

■ 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 - 60.00MHz	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℃
	老化率 Aging	$\leq \pm 3.0\text{ppm}$	First year
	频率准确度 Calibration frequency	$\leq \pm 25\text{ppm}$	VC=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	调节斜率 Slope	正 Positive	
	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-30Pf	
电源 Power	占空比 Duty cycle	45%~55%	
	上升沿/下降沿 Rise/Fall time	5ns/5ns	20%~80%
	供电电压 Power Supply	+3.3 $\times$ (1 $\pm$ 5%) V	
		+5.0 $\times$ (1 $\pm$ 5%) V	
温度范围 Temperature Range	工作电流 Current consumption	$\leq 15\text{mA}$	+3.3 $\times$ (1 $\pm$ 5%) V
		$\leq 25\text{mA}$	+5.0 $\times$ (1 $\pm$ 5%) V
	工作温度 Operating temperature	-20℃~+100℃	
	储藏温度 Storage temperature	-55~125℃	
Package	外形尺寸(max) Outside measurement	5.0 $\times$ 3.2 $\times$ 1.2	mm

Package:

Units: mm



Pin Connections

Pin No.	Connection
1	Vcon
2	OE or NC
3	GND
4	Output
5	NC
6	Vcc

* External high frequency power supply decoupling required

