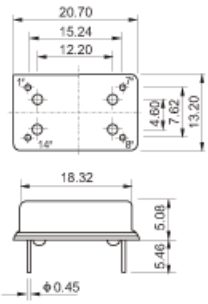
VCXO

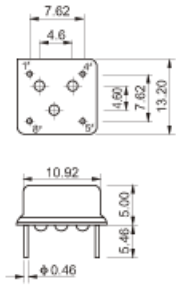
外形尺寸 · DIMENSIONS(mm)

DIL-14



PIN	FUNCTION
#1	Control voltage
#7	Ground
#8	Output
#14	Supply Voltage

DIL-08



PIN	FUNCTION
#1	Control voltage
#4	Ground
#5	Output
#8	Supply Voltage

技术条件 · SPECIFICATION

Parameter			Condition	5V	3.3V
频率范围	Frequency Range*	Fo		1MHz-40.00MHz	1MHz-40.00MHz
频率偏差	Frequency Calibration		At 25℃	±15ppm	±15ppm
频率稳定度	TemperatureStability		Over T_{OPR}	±15ppm,±25ppm,±50ppm	±15ppm,±25ppm,±50ppm
压控范围	Stability vs.power change		V_{DD}+/-5%	±5ppm	±5ppm
牵引力	Pullability		Over Control Voltage Range	±50ppm,±100ppm,±200ppm	±50ppm,±100ppm,±150ppm
压控范围	ControlVoltage Range			0.5~4.5V	0~3.3V
工作温度	Operating Temperature Range	T_{OPR}		0℃~70℃(-40℃~+85℃ option)	0℃~70℃(-40℃~+85℃ option)
储存温度	Storage TemperatureRange	T_{STG}		-55℃~+125℃	-55℃~+125℃
输入电压	Power supply Voltage	V_{DD}		5.0V+/-5%	3.3V+/-5%
老化率	Aging(First Year)		25℃±3℃	±5ppm	±5ppm
消耗电流	Supply current	I_{DD}	1.000MHz to 23.999MHz	15mA Max.	10mA Max.
			24.000MHz to 40.000MHz	25mA Max.	20mA Max.
占空比	Output Symmetry	Sym	At 1/2V_{DD}	40/60%(45/55%Option)	40/60%(45/55%Option)
上升时间	Rise time	Tr	20%V_{DD}~80%V_{DD}	10nS Max.	8nSMax.
下降时间	Fall Time	Tr	80%V_{DD}~20%V_{DD}	10nS Max.	8nSMax.
输出电平	Output Voltage	V_{OH}		90%V_{DD} min.	90%V_{DD} min.
		V_{OL}		10%V_{DD} max.	10%V_{DD} max.
输出负载	Output load			15pF max.	15pF max.
启动时间	Star-up Time		Ts	10mS Max.	10mS Max.

测试原理图与输出波形图 · TEST CIRCUIT AND OUPUT WAVE