



深圳市晶科鑫实业有限公司

样品承认书

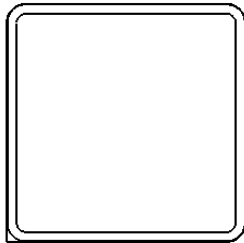
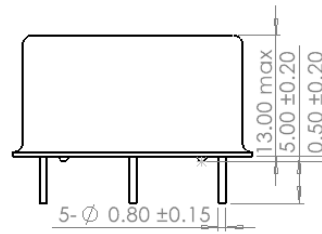
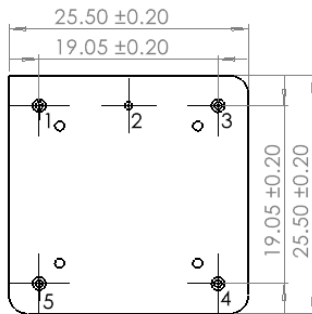
客户代码:	
物料名称:	DIP OCX0恒温晶振
规格型号:	VC-OCX0 25.5*25.5*13.0mm 10MHz 5.0V -0~+70℃ CMOS
P N/ SJK:	9MY10000050YNL
环保属性:	☒ RoHS ☒ REACH ☒ HF ☐ PAHS ☐ 其它
版 次:	A1 2026-7-23 初版
湿敏等级:	MSL 1

承 认 签 章					
供 应 商 承 认			() 公 司 承 认		
制 定	审 核	核 准	工 程 师	审 核	批 准
贺丹斌	李相同	刘惠光			
SJK 支持			盖章签署		
FAE_EMAIL			日 期		
日 期					
备注：					

ELECTRICAL SPECIFICATIONS

No	Parameter	Min.	Typ.	Max.	Unit	Test Condition
1	Frequency 频率	10.000			MHz	
2	Initial Accuracy 初始精度	-100		+100	ppb	@25°C, after 15mins power on refer tonominal frequency Vc=2V±0.2V.
3	Voltage Supply 工作电压	4.75	5.0	5.25	V	
4	Operating Current 工作电流			700	mA	during warm up
				300	mA	At steady state, @25°C
5	High Level(VoH) 高电平	2.4			V	CMOS
	Low Level(VoL) 低电平			0.4	V	
6	Load 负载电容		15		pF	
7	Duty cycle 占空比	45		55	%	
8	Rise/Fall Time 上升/下降时间			6.0	ns	
9	Reference Voltage 参考电压		4.0		V	
10	Supply Variation 电压稳定度	-5.0		+5.0	ppb	Vs±5%,@25°C
11	Load Variation 负载稳定度	-5.0		+5.0	ppb	CL±5%,@25°C
12	Per day 日老化率	-0.5		+0.5	ppb	Aging after 30 days of Operation
	Yearly 年老化率	-50		+50	ppb	
13	Temperature Stability 温度频差	-10		+10	ppb	-0°C~+70°C ref to 25°C
14	Short Term Stability (in still air) 短期稳定度			0.05	ppb/s	After power on 1hour @25°C, Allan variance, $\tau = 1s$
15	Warm-up time 启动时间			3.0	min	@+25°C, Within ±50ppb of final frequency with reference after 1 hour on
16	Control Voltage Range 控制电压范围	0	2.0	4.0	V	
17	Slope 斜率	Positive				
18	Linearity 线性			20	%	
19	Input Impedance 输入阻抗		100		KΩ	
20	Frequency tuning range 频率调节范围	-0.75			ppm	VC=0 V
			±200		ppb	VC=2 V
				+0.75	ppm	VC=4 V
21	Phase Noise 相位噪声			-80	dBc/Hz	@ 1Hz
				-120	dBc/Hz	@ 10Hz
				-140	dBc/Hz	@ 100Hz
				-145	dBc/Hz	@ 1KHz
				-150	dBc/Hz	@ 10KHz

Dimension (Unit : mm)



Pin Function

Pin No.	Pin Function
1	Output
2	GND
3	VC
4	Vref
5	VDD

Environmental, Mechanical Conditions	
Operating temperature range	-55℃~+85℃
Operable temperature range	-55℃~+85℃
Storage temperature range	-40℃~+105℃
ESD	HBM.2kV
MSL	MSL 1
Drop Test	The test shall be carried out as the provisions of the IEC60068-2-32 test Ed. 10cm height, 3 times on hard board with thickness of 3cm
Vibration test	The test shall be carried out as the provisions of the IEC60068-2-06 test Displacement:0.75mm@10Hz acceleration:10g; Frequency range:10Hz~500Hz; Sweep time:1.5 hours total(sweep for 30 minutes in each direction.
Mechanical Shock	The test shall be carried out as the provisions of the IEC60068-2-27 test Ed. 50g, 11ms duration, 1/2 sine wave, 3 shocks each direction along 3 mutually perpendicular planes.
Thermal shock	0.5h@-40℃, 0.5h@+85℃, Note: the changing time < 30 seconds, cycling for 100 times

Reflow Soldering Curve (RoHS)

