



深圳市晶科鑫实业有限公司

样品承认书

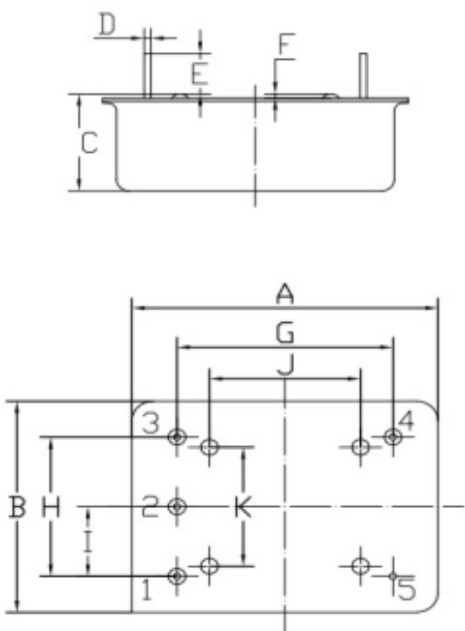
客户代码:	
物料名称:	DIP 0CX0恒温晶振
规格型号:	VC-0CX0 36.4*27.4*13mm 10MHz 12V -20~+70℃ Sine Wave
P N/ SJK:	6XY10000Z120ZB0
环保属性:	☒ RoHS ☒ REACH ☒ HF ☐ PAHS ☐ 其它
版 次:	A1 2026-7-23 初版
湿敏等级:	MSL 1

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	-200		+200	ppb	@25°C, after 15mins power on refer tonominal frequency.
3	Voltage Supply 工作电压	11.4	12.0	12.6	V	
4	Operating Current 工作电流			400	mA	during warm up
				120	mA	At steady state, @25°C
5	Output Level 输出电平	+7.0			dBm	Sine Wave
6	Harmonic-Level 谐波电平			-30	dBc	
7	Load 负载电容		50	Ω		
8	Spurious 杂散			-75	dBc	
9	Reference Voltage 参考电压	4.75	5.0	5.25	V	
10	Supply Variation 电压稳定度	-5.0		+5.0	ppb	Vs $\pm$ 5%,@25°C
11	Load Variation 负载稳定度	-5.0		+5.0	ppb	CL $\pm$ 5%,@25°C
12	Per day 日老化率	-1.0		+1.0	ppb	Aging after 30 days of Operation
	Yearly 年老化率	-150		+150	ppb	
	10 Yearly 十年老化率	-600		+600	ppb	
13	Temperature Stability 温度频差	-100.0		+100.0	ppb	-20°C ~ +70°C ref to 25°C
14	Short Term Stability (in still air) 短期稳定度			0.1	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 $\pm 100ppb$ of final frequency with reference after 1 hour on
16	Control Voltage Range 控制电压范围	0	2.5	5.0	V	
17	Slope 斜率	Positive				
18	Linearity 线性			10	%	
19	Input Impedance 输入阻抗	100			K Ω	
20	Frequency tuning range 频率调节范围	-1.0			ppm	VC=0 V
			± 200		ppb	VC=2.5 V
				+1.0	ppm	VC=5.0 V
21	Phase Noise 相位噪声			-95	dBc/Hz	@ 10 Hz
				-125	dBc/Hz	@ 100 Hz
				-155	dBc/Hz	@ 1K Hz
				-162	dBc/Hz	@ 10K Hz
				-165	dBc/Hz	@ 100K Hz

Dimension (Unit : mm)



Pin Function

Pin No.	Pin Function
1	VC 压控电压
2	Vref 参考电压
3	VS 电源
4	Output 输出
5	GND 接地

Symbol 代号	Dimension (mm) 尺寸	
	Min 最小值	Max 最大值
A		36.4
B		27.4
C		13.0
D	0.73	0.87
E	4.5	5.9
F	0.4	0.7
G	25.2	25.6
H	17.6	18.0
I	8.8	9.0
J	17.75 nominal	
K	15.21 nominal	

Environmental, Mechanical Conditions	
Operating temperature range	-20℃~+70℃
Operable temperature range	-40℃~+85℃
Storage temperature range	-55℃~+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)

