



深圳市晶科鑫实业有限公司

样品承认书

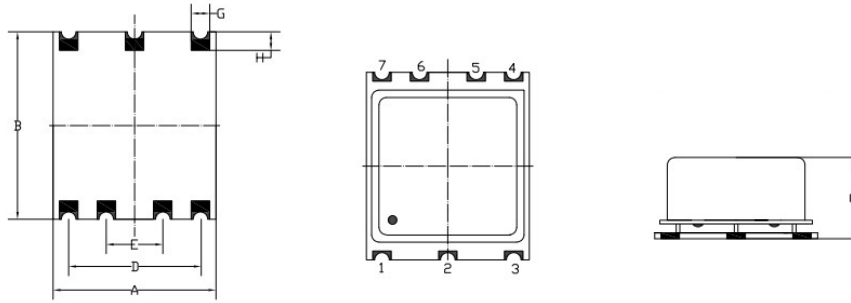
客户代码:	
物料名称:	SMD OCX0恒温晶振
规格型号:	VC-OCX0 25.6*22.2*12.0mm 10MHz 3.3V -40~+85℃ Sine Wave
P N/ SJK:	5XY10000Z33ZCL
环保属性:	☒ RoHS ☒ REACH ☒ HF ☐ PAHS ☐ 其它
版 次:	A1 2026-7-23 初版
湿敏等级:	MSL 2a

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	3.135	3.3	3.465	V	
4	Operating Current 工作电流			1000	mA	during warm up
				300	mA	At steady state, @25°C
5	Output Level 输出电平	+5.0		+9.0	dBm	Sine Wave
6	Harmonic-Level 谐波电平			-30	dBc	
7	Load 负载电容		50	Ω		
8	Spurious 杂散			-80	dBc	
9	Reference Voltage 参考电压	2.6	2.8	3.0	V	
10	Supply Variation 电压稳定度	-2.0		+2.0	ppb	Vs $\pm$ 5%,@25°C
11	Load Variation 负载稳定度	-2.0		+2.0	ppb	CL $\pm$ 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	-60		+60	ppb	
	10 Yearly 十年老化率	-300		+300	ppb	
13	Temperature Stability 温度频差	-3.0		+3.0	ppb	-40°C~+85°C ref to 25°C
14	Short Term Stability (in still air)短期稳定度			0.01	ppb	After power on 1hour @25°C, Allan variance, $\tau=1s$
15	Warm-up time 启动时间			3.0	min	@+25°C, Within $\pm 10ppb$ of final frequency with reference after 1 hour on
16	Control Voltage Range 控制电压范围	0	1.4	2.8	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	-0.5			ppm	0 V
			± 200		ppb	1.4 V
				+0.5	ppm	2.8 V
21	Phase Noise 相位噪声			-100	dBc/Hz	@ 1 Hz
				-127	dBc/Hz	@ 10 Hz
				-142	dBc/Hz	@ 100 Hz
				-152	dBc/Hz	@ 1K Hz
				-155	dBc/Hz	@ 10K Hz
				-155	dBc/Hz	@ 100K Hz

Dimension (Unit : mm)



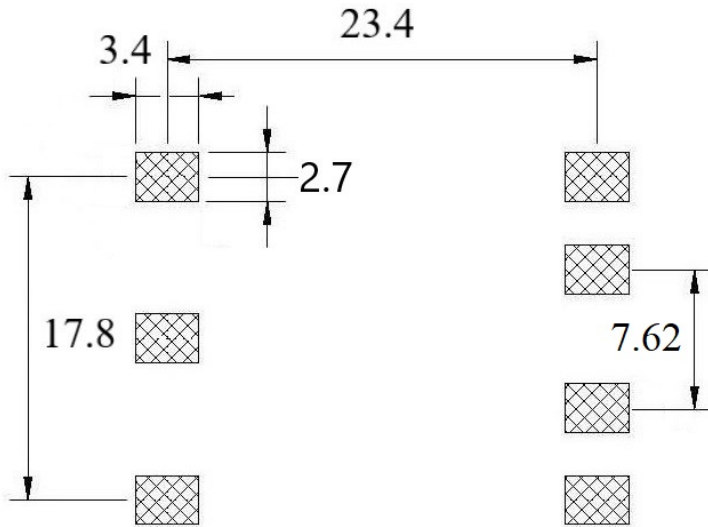
Pin Function

Symbol	Size (mm)	
	Min	Max
A	21.8	22.2
B	25.2	25.6
C		12.0
D	17.7	17.9
E	7.5	7.7
G	2.4	2.6
H	2.4	2.6

Pin	Pin Function
1	VC
2	Vref
3	VS
4	OUTPUT
5	NC
6	NC
7	GND

Environmental, Mechanical Conditions	
Operating temperature range	-40℃~+85℃
Operable temperature range	-40℃~+85℃
Storage temperature range	-55℃~+105℃
ESD	HBM.2kV
MSL	MSL 2a
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

Recommend Pad (unit: mm)



单位: mm

Reflow Soldering Curve (RoHS)

