



深圳市晶科鑫实业有限公司

样品承认书

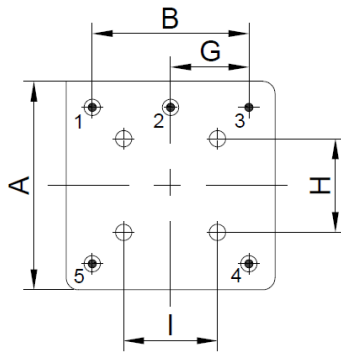
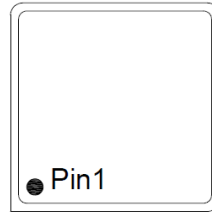
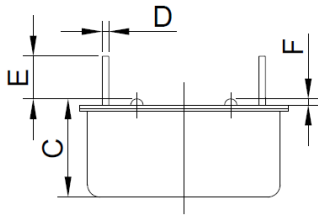
客户代码:	
物料名称:	DIP OCX0恒温晶振
规格型号:	VC-OCX0 21.6*21.6*10.5 10MHz 5.0V -40~+85℃ LVCMOS
P N/ SJK:	3XY10000Z50YCN
环保属性:	☒ RoHS ☒ REACH ☒ HF ☐ PAHS ☐ 其它
版 次:	A1 2026-7-23 初版
湿敏等级:	MSL 1

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 Vc=2.5V.
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
				200	mA	At steady state, @25°C
5	High Level(VoH) 高电平	2.4			V	LVCMOS
	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			5.0	ns	
9	Supply Variation 电压稳定度	-2.0		+2.0	ppb	Vs±5%,@25°C
10	Load Variation 负载稳定度	-2.0		+2.0	ppb	CL±5%,@25°C
11	Per day 日老化率	-0.5		+0.5	ppb	Aging after 30 days of Operation
	Yearly 年老化率	-75		+75	ppb	
	10 Yearly 十年老化率	-500		+500	ppb	
12	Temperature Stability 温度频差	-50		+50	ppb	-40°C~+85°C ref to 25°C
13	Short Term Stability (in still air) 短期稳定度			0.05	ppb/s	After power on 1hour @25°C , Allan variance, $\tau = 1s$
14	Warm-up time 启动时间			3.0	min	@+25°C , Within ±30ppb of final frequency with reference after 1 hour on
15	Control Voltage Range 控制电压范围	0	2.5	5.0	V	
16	Slope 斜率	Positive				
17	Linearity 线性			10	%	
18	Input Impedance 输入阻抗		100		K Ω	
19	Frequency tuning range 频率调节范围	-1.0			ppm	VC=0 V
			±200		ppb	VC=2 V
				+1.0	ppm	VC=4 V
20	Phase Noise 相位噪声			-90	dBc/Hz	@ 1Hz
				-120	dBc/Hz	@ 10Hz
				-140	dBc/Hz	@ 100Hz
				-145	dBc/Hz	@ 1KHz
				-150	dBc/Hz	@ 10KHz
				-155	dBc/Hz	@ 100KHz

Dimension (Unit : mm)



Pin Function

Pin No.	Pin Function
1	VS
2	Output
3	GND
4	VC
5	NC

Symbol 代号	Dimension (mm) 尺寸	
	Min 最小值	Max 最大值
A		21.6
B	14.74	15.74
C		10.5
D	0.4	0.6
E	4.0	5.0
F	0.5	0.7
G	7.52	7.72
H	10.1 nominal	
I	10.1 nominal	

Environmental, Mechanical Conditions

Operating temperature range	-40℃~+85℃
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)

