



深圳市晶科鑫实业有限公司

样品承认书

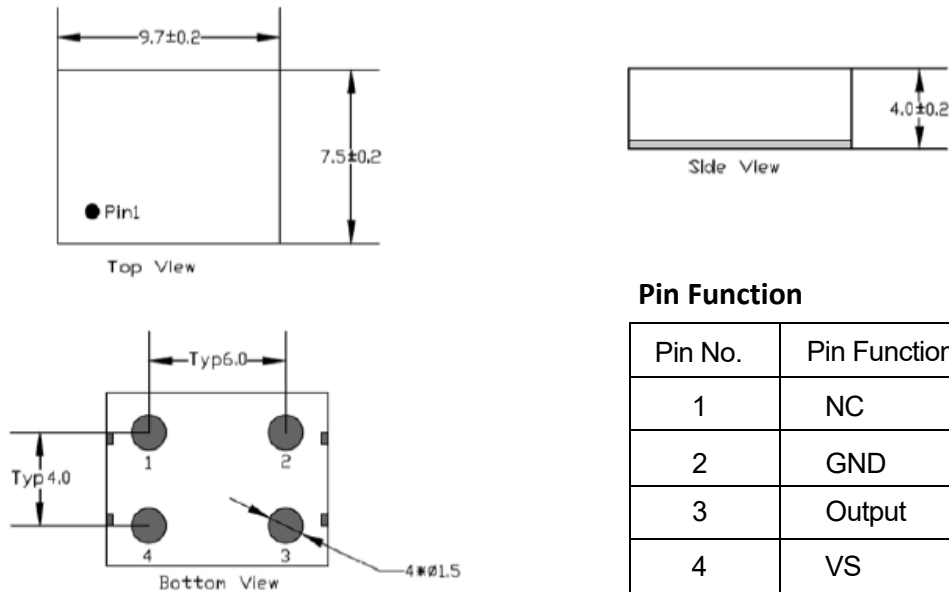
客户代码:	
物料名称:	SMD 0CX0恒温晶振
规格型号:	0CX0 9.7*7.5*4.0mm 10MHz 3.3V -40~+85℃ LVCMOS
P N/ SJK:	1X10000Z33YCL
环保属性:	☒ RoHS ☒ REACH ☒ HF ☐ PAHS ☐ 其它
版 次:	A1 2026-7-23 初版
湿敏等级:	MSL 2a

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	3.13	3.3	3.46	V	
4	Operating Current 工作电流			600	mA	during warm up
				230	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			6.0	ns	
9	Supply Variation 电压稳定度	-5.0		+5.0	ppb	Vs±5%,@25°C
10	Load Variation 负载稳定度	-5.0		+5.0	ppb	CL±5%,@25°C
11	Per day 日老化率	-2.0		+2.0	ppb	Aging after 30 days of Operation
	Yearly 年老化率	-300		+300	ppb	
12	Temperature Stability 温度频差	-10		+10	ppb	- 40°C ~ + 85°C ref to 25°C
13	Short Term Stability (in still air) 短期稳定度			0.05	ppb	After power on 1hour @25°C , Allan variance, $\tau = 1s$
14	Warm-up time 启动时间			0.5	min	@+25°C ,Within ±100ppb of final frequency with reference after 1 hour on
19	Phase Noise 相位噪声			-75	dBc/Hz	@ 1Hz
				-110	dBc/Hz	@ 10Hz
				-140	dBc/Hz	@ 100Hz
				-155	dBc/Hz	@ 1KHz
				-158	dBc/Hz	@ 10KHz
				-160	dBc/Hz	@ 100KHz
				-165	dBc/Hz	@ 1MHz

Dimension (Unit : mm)

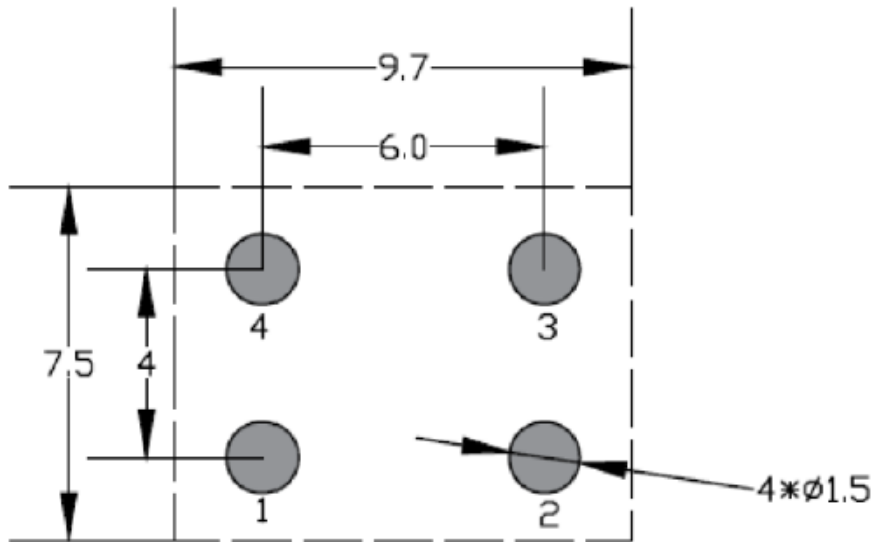


Pin Function

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

Environmental, Mechanical Conditions	
Operating temperature range	-40°C~+85°C
Operable temperature range	-40°C~+85°C
Storage temperature range	-55°C~+105°C
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°C, 0.5h@+85°C, Note: the changing time < 30 seconds, cycling for 100 times

Recommend Pad:(unit: mm)



Reflow Soldering Curve (RoHS)

