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 OCXO恒温晶振
规格型号：	OCXO 9.7*7.5*4.0mm 20MHz 3.3V -40~+85℃ LVCMOS
P N/ SJK：	1X20000J33YCO
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：					

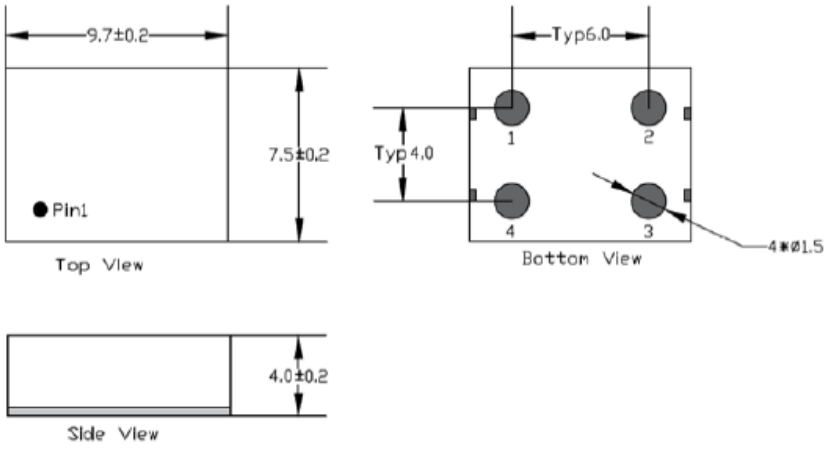
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公司地址: 深圳市龙岗区天安云谷产业园一期 3 栋 C 座 12 楼 1204～1206 室

ELECTRICAL SPECIFICATIONS

No	Parameter	Min.	Typ.	Max.	Unit	Test Condition
1	Frequency 频率		20.000		MHz	
2	Initial Accuracy 初始精度	-0.5		+0.5	ppm	@25℃, 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			450	mA	during warm up
				150	mA	At steady state，@25℃
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	-5.0		+5.0	ppb	Vs±5%,@25℃
10	Load Variation 负载稳定度	-2.0		+2.0	ppb	CL±5%,@25℃
11	Per day 日老化率	-2.0		+2.0	ppb	Aging after 30 days of Operation
	The first year 年老化率	-300		+300	ppb	
	10 Years 十年老化率	-1.2		+1.2	ppm	
12	Temperature Stability 温度频差	-100		+100	ppb	-40℃～+ 85℃ ref to 25℃
13	Short Term Stability (in still air) 短期稳定度			0.1	ppb	After power on 1hour @25℃ , Allan variance, τ =1s
14	Warm-up time 启动时间			30	s	@+25℃,Within ±100ppb of final frequency with reference after 1 hour on
15	Phase Noise 相位噪声			-95	dBc/Hz	@ 10Hz
				-125	dBc/Hz	@ 100Hz
				-150	dBc/Hz	@ 1KHz
				-155	dBc/Hz	@ 10KHz
				-155	dBc/Hz	@ 100KHz
				-155	dBc/Hz	@ 1MHz

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Dimension (Unit : mm)

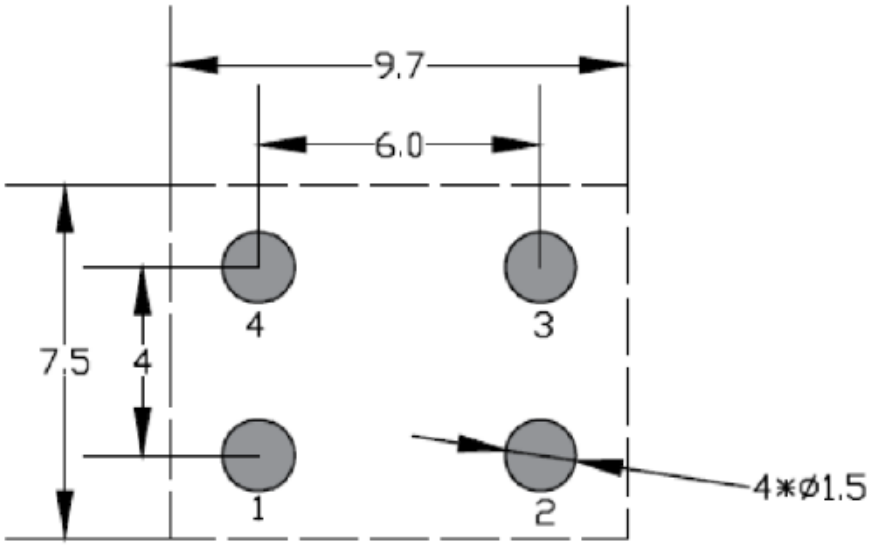


Pin Function

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

Environmental, Mechanical Conditions	
Operating temperature range	-40℃~+85℃
Operable temperature range	-40℃~+85℃
Storage temperature range	-55℃~+105℃
ESD	HBM.2kV
MSL	MSL2a
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)



Reflow Soldering Curve (RoHS)

