# 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 14.6* 9.3*8.5mm 10MHz 3.3V -40~+85℃ LVCMOS |
| P N/ SJK： | 9X10000033YCN |
| 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： | | | | | |

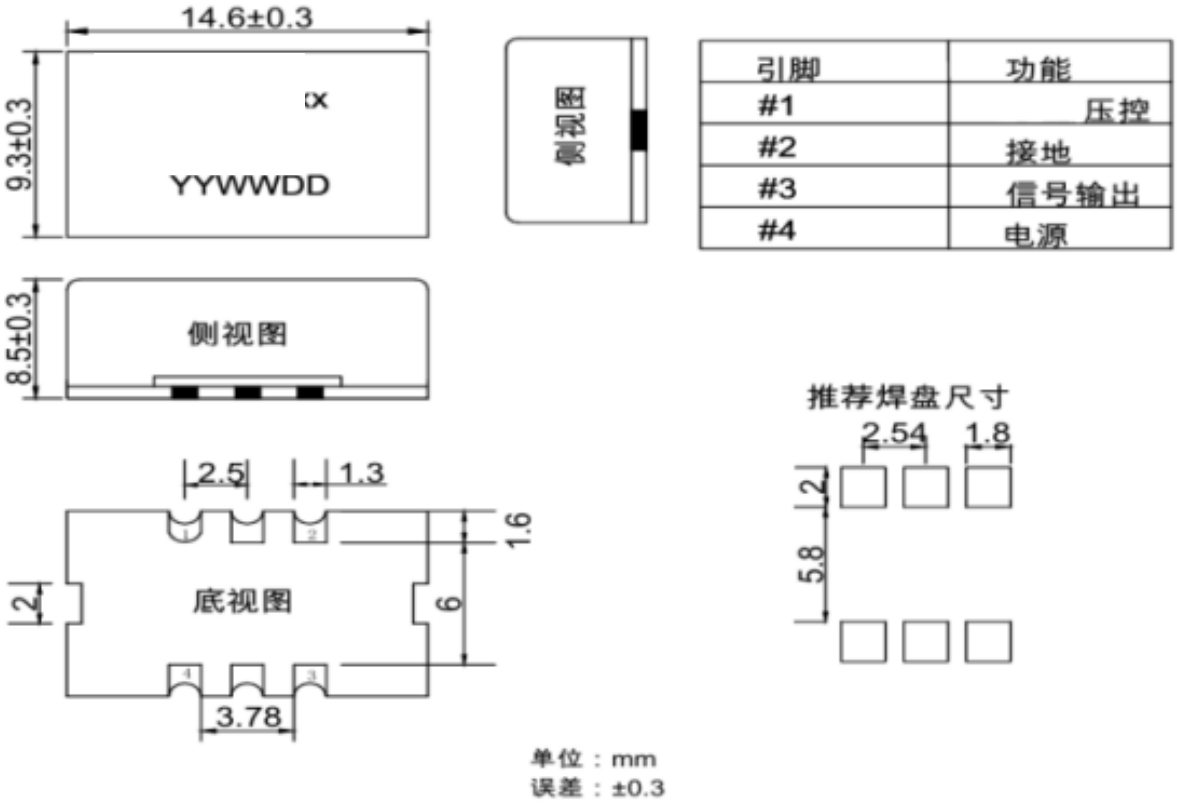
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公司地址: 深圳市龙岗区天安云谷产业园一期 3 栋 C 座 12 楼 1204～1206 室

# ELECTRICAL SPECIFICATIONS

| No | Parameter | Min. | Typ. | Max. | Unit | Test Condition |
|---|---|---|---|---|---|---|
| 1 | Frequency<br>频率 | | 10.000 | | MHz | |
| 2 | Initial Accuracy<br>初始精度 | -100 | | +100 | ppb | @25℃, after 15mins power on refer tonominal frequency. |
| 3 | Voltage Supply<br>工作电压 | 3.13 | 3.3 | 3.46 | V | |
| 4 | Operating Current<br>工作电流 | | | 600 | mA | during warm up |
| | | | | 250 | mA | At steady state，@25℃ |
| 5 | High Level(VoH)<br>高电平 | 2.4 | | | V | LVCMOS |
| | Low Level(VoL)<br>低电平 | | | 0.4 | V | |
| 6 | Load<br>负载电容 | | 15 | | pF | |
| 7 | Duty cycle<br>占空比 | 45 | | 55 | % | |
| 8 | Rise/Fall Time<br>上升/下降时间 | | | 6.0 | ns | |
| 9 | Supply Variation<br>电压稳定度 | -20.0 | | +20.0 | ppb | Vs±5%,@25℃ |
| 10 | Load Variation<br>负载稳定度 | -20.0 | | +20.0 | ppb | CL±5%,@25℃ |
| 11 | Per day<br>日老化率 | -3.0 | | +3.0 | ppb | Aging after 30 days of Operation |
| | The first year<br>年老化率 | -100 | | +100 | ppb | |
| 12 | Temperature Stability<br>温度频差 | -50 | | +50 | ppb | -40℃～+ 85℃ ref to 25℃ |
| 13 | Short Term Stability ( in still air)<br>短期稳定度 | | | 0.1 | ppb | After power on 1hour @25℃ , Allan variance, $\tau$ =1s |
| 14 | Warm-up time<br>启动时间 | | | 30 | s | @+25℃,Within ±100ppb of final frequency with reference after 1 hour on |
| 15 | Phase Noise<br>相位噪声 | | | -105 | dBc/Hz | @ 10Hz |
| | | | | -125 | dBc/Hz | @ 100Hz |
| | | | | -145 | dBc/Hz | @ 1KHz |
| | | | | -155 | dBc/Hz | @ 10KHz |
| | | | | -160 | dBc/Hz | @ 100KHz |

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## Dimension ( Unit : mm )




| 引脚 | 功能 |
|---|---|
| #1 | 压控 |
| #2 | 接地 |
| #3 | 信号输出 |
| #4 | 电源 |

| Environmental, Mechanical Conditions | |
|---|---|
| Operating temperature range | -40℃~+85℃ |
| Operable temperature range | -40℃~+85℃ |
| Storage temperature range | -55℃~+125℃ |
| ESD | HBM.2kV |
| MSL | MSL2a |
| Drop Test | The test shall be carried out as the provisions of the IEC60068-2-32 test Ed.<br>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<br>test Displacement:0.75mm@10Hz<br>acceleration:10g;<br>Frequency range:10Hz~500Hz;<br>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.<br>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 |