

低相噪恒温晶体振荡器
Type:KOL Low phase Noise OCXO 10~160MHz

产品特点 Features

- 高可靠性 High Reliability
- 宽频率范围 Wide frequency range
- 低相噪 Low phase Noise

产品应用 Applications

- 军事通信 Military communications
- 微波通信 Microwave Communications
- 雷达/卫星定位 RADAR/GPS

指标规范 Standard Specifications

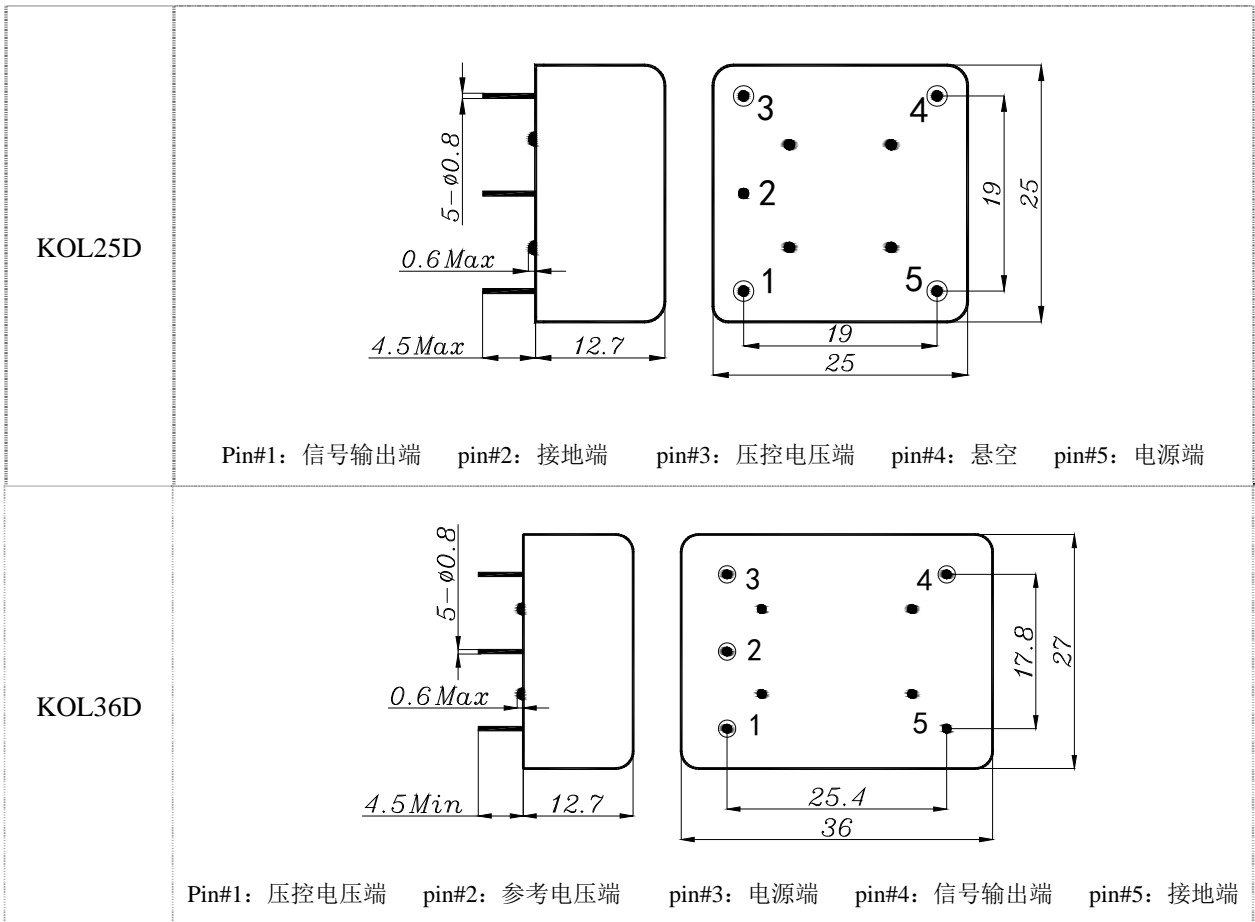
| 规格 Specification | 条件 Condition | 最小 Min | 典型 Try | 最大 Max | 单位 Unit |
|---------------------------------|------------------------------|--------|--------|--------|----------|
| 频率范围 Frequency range | fr | 10 | 100 | 160 | MHz |
| 电源电压 Supply voltage | V _{DD} | +5.0 | +12 | +24 | V |
| 功耗 Power consumption | 启动 Start-up | | | 3.5 | W |
| | 稳态 steady state | | | 1.2 | |
| 频率准确度 Freq. Accuracy | +25℃, Center Vcont | | | ±0.1 | ppm |
| 频率稳定度 Freq. stability | 见表 | | ±0.1 | | |
| vs 温度 Temp. | V _{DD} ±5% | | | ±0.005 | |
| vs 电压 Voltage | Load±10% | | | ±0.005 | |
| 日老化 Day Aging | @10MHz | | | 0.5 | ppb/day |
| | @100MHz | | | 3.0 | |
| 年老化 Year Aging | @10MHz | | | 50 | ppb/year |
| | @100MHz | | | 300 | |
| 相位噪声 SSB Phase Noise @100MHz | 10Hz | | -90 | | dBc/Hz |
| | 100Hz | | -125 | | |
| | 1KHz | | -150 | | |
| | 10KHz | | -155 | | |
| | 100KHz | | -158 | | |
| 正弦波输出特性 Output Sine | | | | | |
| 负载 Load | ±5% | | 50 | | Ω |
| 功率 Power | | 7 | 8 | 13 | dBm |
| 谐波 Harmonics | | | | -30 | dBc |
| 杂波 Spurious | | | | -80 | dBc/Hz |
| 方波输出特性 Output HCMOS | | | | | |
| 负载 Load | ±5% | | 15 | | PF |
| 电平 Level | “0” level max/ “1” level min | 90%Vdd | | 10%Vdd | V |
| 占空比 Symmetry | 10%~90%Vdd | 45 | 50 | 55 | % |
| 上升下降时间 Rise/Fall time | | | | 6 | nS |
| 压控电压 control voltage | 5.0V/12V | 0 | 2.5 | 5 | V |
| 压控频率范围 pull rang | 正斜率,线性 10% | ±0.5 | | ±1.5 | ppm |
| 工作温度 Operating temperature | | -20 | | +70 | ℃ |
| 储存温度 storage temperature | | -55 | | +85 | ℃ |

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相位噪声表 SSB Phase Noise Table

| 代码 / 数据 | 10Hz | 100Hz | 1KHz | 10KHz | 100KHz | |
|---------|------------|------------|------------|------------|------------|---------|
| P3 | -90dBc/Hz | -125dBc/Hz | -150dBc/Hz | -155dBc/Hz | -158dBc/Hz | @100MHz |
| P4 | -93dBc/Hz | -130dBc/Hz | -155dBc/Hz | -165dBc/Hz | -170dBc/Hz | @100MHz |
| P5 | -98dBc/Hz | -132dBc/Hz | -160dBc/Hz | -168dBc/Hz | -170dBc/Hz | @100MHz |
| P6 | -130dBc/Hz | -150dBc/Hz | -165dBc/Hz | -168dBc/Hz | -170dBc/Hz | @10MHz |

外形尺寸 Dimensions(mm)



创建产品编码 creating product number

