

电性能技术指标  
SPECIFICATIONS

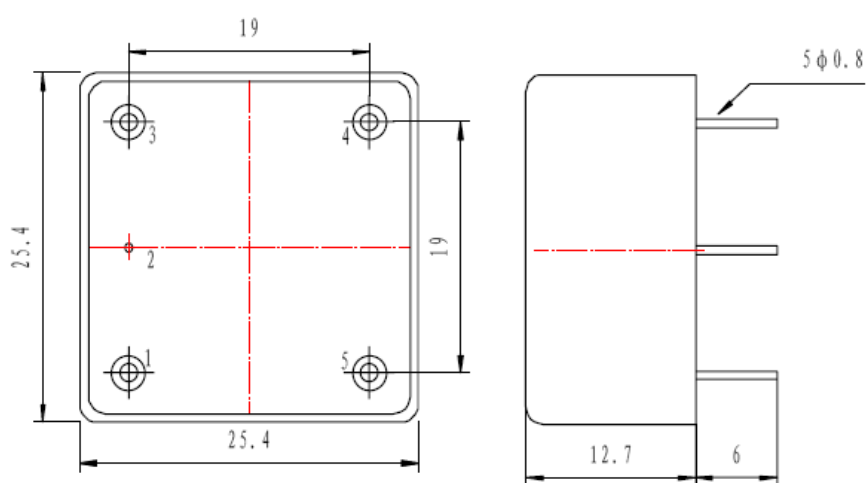
## JKOC25 SERIES 小型恒温晶体振荡器

| 技术指标项目 (Parameter)                                 | 技术指标 (Specification)                                             |
|----------------------------------------------------|------------------------------------------------------------------|
| 标称频率 (Nominal Frequency)                           | 100.000000MHz                                                    |
| 频率准确度 (Frequency Accuracy)                         | $<\pm 0.2\text{ppm}@25^{\circ}\text{C}$                          |
| <b>频率稳定度 (Frequency Stability)</b>                 |                                                                  |
| 频率温度稳定度 (Vs. Operating Temperature)                | $<\pm 0.1\text{ppm}$                                             |
| 频率电压稳定度 (Vs. Supply Voltage Variation)             | $<\pm 0.5\text{ppm at VCC } \pm 5\%$                             |
| 频率负载稳定度 (Vs. Load Variation )                      | $<\pm 0.5\text{ppm for } 5\% \text{ change from } 50\text{ ohm}$ |
| <b>频率调整 (Frequency Adjustment)</b>                 |                                                                  |
| 频率调整范围 (Frequency Adjustment Range)                | $\geq \pm 1.0\text{ppm}$                                         |
| 压控电压 (Control Voltage Range)                       | 0~7V                                                             |
| 压控斜率 (Slope)                                       | Positive                                                         |
| <b>电源电压 (Input Power)</b>                          |                                                                  |
| 供电电压 (Supply Voltage)                              | 12V                                                              |
| 开机电流 (Current Consumption At switch on)            | 500mA                                                            |
| 稳定工作电流 (Current Consumption At steady state@25 °C) | 150mA                                                            |
| <b>输出 (Output Signal)</b>                          |                                                                  |
| 波形 (Waveform)                                      | 正弦波                                                              |
| 幅度 (Level)                                         | 8dBm min                                                         |
| 负载 (Load)                                          | 50Ω                                                              |
| 谐波抑制 (Harmonic Suppression)                        | -30dBc                                                           |
| 杂波抑制 (Spurious Suppression)                        | -75 dBc                                                          |
| <b>老化(Aging After 30 Days of Operation)</b>        |                                                                  |
| 日老化(Daily Aging)                                   | $<\pm 5\text{ppb}$                                               |
| 年老化 (First year Aging)                             | $<\pm 0.5\text{ppm}$                                             |
| <b>相位噪声 (Phase Noise)</b>                          |                                                                  |
| at 10 Hz                                           | -95dBc/Hz                                                        |
| at 100 Hz                                          | -130dBc/Hz                                                       |
| at 1KHz                                            | -155dBc/Hz                                                       |
| at 10KHz                                           | -160dBc/Hz                                                       |



|                                    |                       |
|------------------------------------|-----------------------|
| at 100KHz                          | -162dBc/Hz            |
| 工作温度 (Operating Temperature Range) | -40 °C to +70 °C(可定制) |
| 储存温度 (Storage Temperature Range)   | -40 °C to +85 °C      |
| 外形尺寸 (Dimensions)                  | 25.4x25.4x13mm        |

外形尺寸:



|    |      |
|----|------|
| 1# | 信号输出 |
| 2# | 地    |
| 3# | 压控输入 |
| 4# | 空脚   |
| 5# | 电源电压 |