

电性能技术指标
SPECIFICATIONS

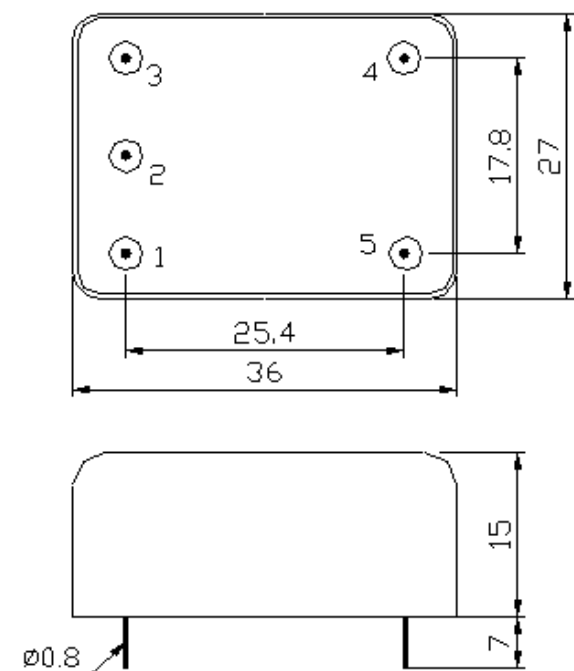
JKOC36 SERIES 高稳定度恒温晶体振荡器

技术指标项目 (Parameter)	技术指标 (Specification)
频率范围 (Frequency Range)	5MHz ~100MHz
标称频率 (Nominal Frequency)	10, 12.8, 13, 16.384, 38.88MHz
频率准确度 (Frequency Accuracy)	<±30ppb@25°C
频率稳定度 (Frequency Stability)	
频率温度稳定度 (Vs. Operating Temperature)	<±20ppb
频率电压稳定度 (Vs. Supply Voltage Variation)	<±5 ppb at VCC ±5%
频率负载稳定度 (Vs. Load Variation)	<±5 ppb for 5% change from 50 ohm
频率调整 (Frequency Adjustment)	
频率调整范围 (Frequency Adjustment Range)	> ±0.8ppm
压控电压 (Control Voltage Range)	0~5V 中心电压 2.5V
参考电压输出 (Reference Voltage Output)	5V±0.25V
压控斜率 (Slope)	Positive
压控线性度 (Linearity)	优于 10%
电源电压 (Input Power)	
供电电压 (Supply Voltage)	12V, 5V (可选)
开机电流 (Current Consumption At switch on)	350mA
稳定工作电流 (Current Consumption At steady state@25 °C)	120mA
输出 (Output Signal)	
波形 (Waveform)	正弦波,方波 (可选)
幅度 (Level)	7 ± 2dBm
负载 (Load)	50Ω
谐波抑制 (Harmonic Suppression)	-30dBc
杂波抑制 (Spurious Suppression)	-70 dBc
老化(Aging After 30 Days of Operation)	
日老化(Daily Aging)	<±0.5 ppb
年老化 (First year Aging)	<±0.05 ppm
短期稳定度	优于 1E-11
相位噪声 (Phase Noise)	



at 100 Hz	-130dBc/Hz
at 1kHz	-145dBc/Hz
at 10kHz	-150dBc/Hz
加热时间 (Warm up time $\leq\pm 50$ ppb of final frequency)	<5 minutes at 25°C
工作温度 (Operating Temperature Range)	-30 °C to +70 °C
储存温度 (Storage Temperature Range)	-40 °C to +85 °C
外形尺寸 (Dimensions)	36x27x15mm

外形尺寸:



1#	压控输入
2#	参考电压输出或空脚
3#	电源电压
4#	信号输出
5#	地

频率微调外接电位器连接说明:

- Vref. OUT 接晶振引脚 2#
- Freq.control input 接晶振引脚 1#
- GND 接晶振引脚 5#

- 20K Ω 精密多圈可调电位器

