

电性能技术指标
SPECIFICATIONS

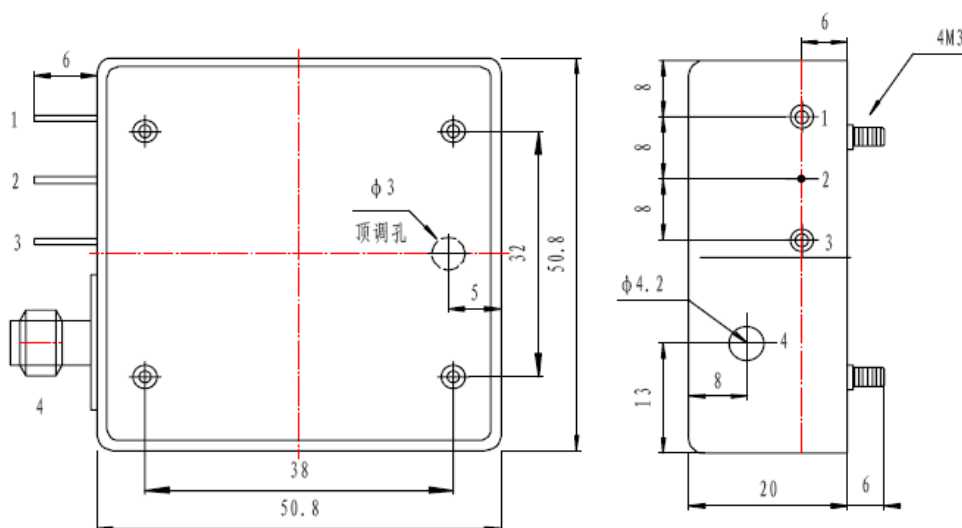
JKOC50 SERIES 低相位噪声恒温晶体振荡器

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)	$<\pm 0.1\text{ppm}@25^{\circ}\text{C}$
频率稳定度 (Frequency Stability)	
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)	$<\pm 0.5\text{ppm for } 5\% \text{ change from } 50\text{ ohm}$
频率调整 (Frequency Adjustment)	
频率调整范围 (Frequency Adjustment Range)	$\geq \pm 1.0\text{ppm}$
压控电压 (Control Voltage Range)	0~10V
压控斜率 (Slope)	Positive
机械频率调整范围 (Mechanical Frequency Range)	$>\pm 1.0\text{ppm}$
电源电压 (Input Power)	
供电电压 (Supply Voltage)	12V
开机电流 (Current Consumption At switch on)	400mA
稳定工作电流 (Current Consumption At steady state@25 °C)	150mA
输出 (Output Signal)	
波形 (Waveform)	正弦波
幅度 (Level)	8dBm min
负载 (Load)	50Ω
谐波抑制 (Harmonic Suppression)	-25dBc
杂波抑制 (Spurious Suppression)	-75 dBc
老化(Aging After 30 Days of Operation)	
日老化(Daily Aging)	$<\pm 5\text{ppb}$
年老化 (First year Aging)	$<\pm 0.5\text{ppm}$
相位噪声 (Phase Noise)	
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
储存温度 (Storage Temperature Range)	-40 °C to +85 °C
外形尺寸 (Dimensions)	50.8 x 50.8 x 20mm

外形尺寸/引脚定义图:



1#	电源电压
2#	地
3#	压控输入或空脚
4#	SMA 信号输出