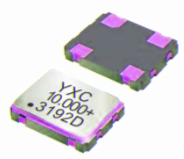




Crystal Oscillator

YSO131LR Low Voltage



Applications

- IOT
- Industrial Control
- Consumer Electronics

Features

- Frequency Range: 8MHz ~ 50MHz
- Low-power Applications & Energy Consumption-Sensitive Applications

- Package Size: 2.0*1.6, 2.5*2
3.2*2.5, 5.0*3.2, 7.0*5.0mm

Specifications (规格参数)

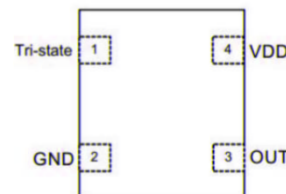
Specifications					
Frequency Range (频率范围)	8MHz ~ 50MHz, or specify				
Supply Voltage (电源电压)	0.9V~2.0V, 1.2V				
CMOS					
Frequency Tolerance (频率偏差)	±10ppm, ±20ppm, or specify				
Load Capacitance (负载电容)	15pF				
Operating Temperature (工作温度)	-40~+85°C, or specify				
Storage Temperature (储存温度)	-55~+125°C				
Frequency Aging (老化) (at 25°C)	±20ppm, ±30ppm, ±50ppm, or specify				
Voh	90%VDD Min				
Vol	10%VDD Max				
SYM	45~55%				
t_str	3ms Max				
Tri-State	<table border="1"> <tr> <td>Enable (High Voltage or Floating)</td> <td>70% of VDD Min</td> </tr> <tr> <td>Disable (Low Voltage or GND)</td> <td>30% of VDD Max</td> </tr> </table>	Enable (High Voltage or Floating)	70% of VDD Min	Disable (Low Voltage or GND)	30% of VDD Max
Enable (High Voltage or Floating)	70% of VDD Min				
Disable (Low Voltage or GND)	30% of VDD Max				

Item	Symbol	
Frequency Range (频率范围)		
Supply Voltage (电源电压)		VDD
Output Type (输出方式)		-
Frequency Tolerance (频率偏差) (at 25°C)		f_tol
Output Load (输出负载)		L_cmos
Operating Temperature (工作温度)		T_use
Storage Temperature (储存温度)		T_stg
Frequency Versus Temperature Characteristics (频率-温度特性)		
Output Voltage (输出电压)		
Duty Cycle (占空比)		
Start-up Time (启动时间)		
Frequency Aging (老化) (at 25°C)	f_age	±3ppm/year Max
Tri-State Enable (High Voltage or Floating)		70% of VDD Min
Tri-State Disable (Low Voltage or GND)		30% of VDD Max

Pin Dimension (脚位尺寸)

Pin Assianments

Pin	#1	#2	#3	#4
FUNCTION	Tri-state	GND	OUTPUT	VDD



*The picture on the right is only for PIN function description.

Dimensions and Recommended Land Pattern (外观尺寸及推荐焊盘)

