

VSO691FR

Applications:

Features:

- Consumer

- One Time programmable

Application (1 ~ 200MHz)

Package Size: 5.0*3.2

Specifications (规格参数)

Item / Type	Value	CMOS
Supply Voltage 电源电压	1.8V	2.5V
Frequency Range 额定频率范围	1MHz ~ 125MHz	1MHz ~ 200MHz
Supply Voltage Variation (VDD)10% 电压范围	1.62V ~ 1.98V	2.25V ~ 2.75V
Standby Current 待机电流		400uA
Frequency Tolerance 频率偏差		±30ppm, ±50ppm
Output Load 输出负载		15pF
Operating Temperature Range 工作温度		-40 ~ +85°C
Storage Temperature Range 储存温度		-55 ~ +150°C
Voltage VOH (Min.) / VOL (Max.) 输出电压		VOH = 90%VDD / VOL = 10%VDD
Duty Cycle 占空比		50% ~ 55%
Rise Time/Fall Time 上升沿/下降沿		5ns-Max
Start up Time 启动时间		7ms-Max
Phase Jitter 抖动		1.5ps-Max
Supply Current 静态电流		1.1ps-Max
Frequency Aging (at 25°C) 老化率		See Below
		±5 ppm / year-Max

Current Consumption (消耗电流)

Current Consumption

Power Dissipation	Supply Voltage (V)
18mA Max	1.8V
19mA Max	2.5V
20mA Max	3.3V
21mA Max	
22mA Max	
23mA Max	
24mA Max	
24mA Max	
25mA Max	
26mA Max	
27mA Max	

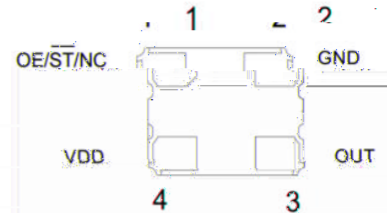
Programmable Crystal Oscillator YSO691ER



Pin Dimension (脚位尺寸)

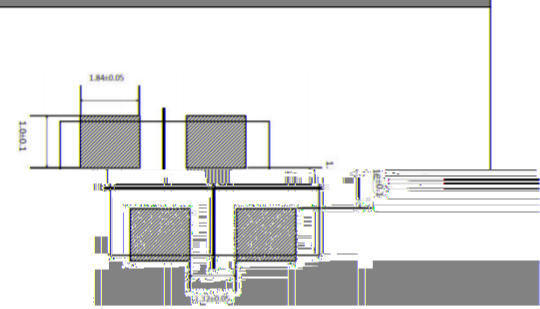
Pin	Symbol	Functionality
1	OE/ST/NC	Output Enable H: specified frequency output L: output is low. Specified frequency output stop. Standby: Device goes to sleep mode. Standby current reduces to 400uA (Standby Current). No-Carrier: Pin 1 = VDD or Pin 1 is Open. Specified frequency output. Pin 1 has no function.
2	GND	Power Electrical ground
3	OUT	Output Oscillator output
4	VDD	Power Power supply voltage

Pin Assignments

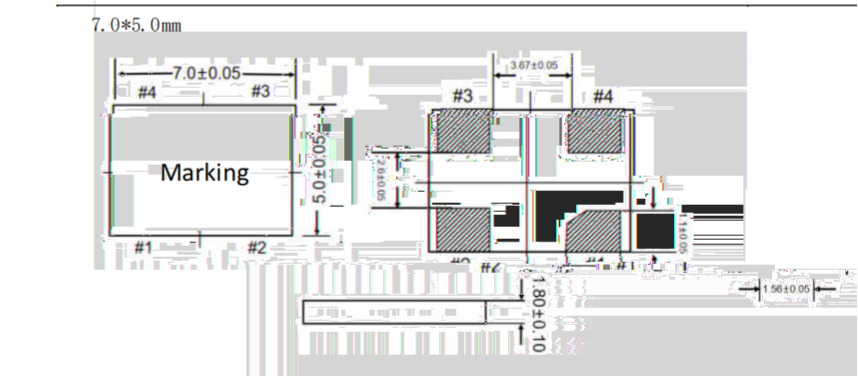
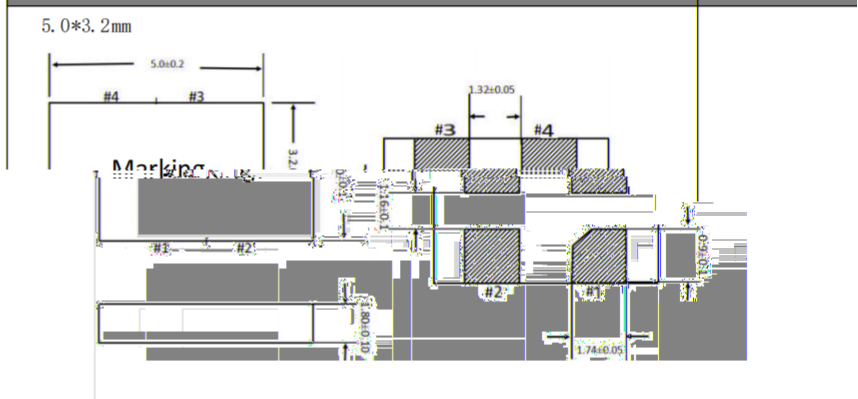


Dimensions and Recommended Land Pattern (外形尺寸)

ended Land Pattern (Unit: mm)



Dimensions (Unit: mm)



Test Circuit (测试电路)

