

Crystal Oscillator

YSO691ER



Applications (應用) Features (特點)

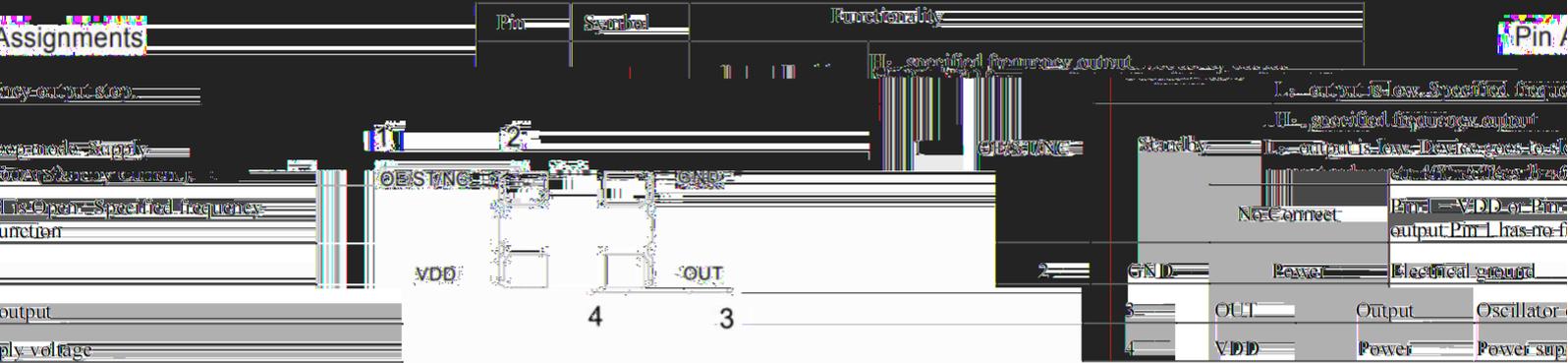
- Consumer
- Industrial
- One Time programmable
- PLL Circuit Provides Wide Frequency Range Application (1 ~ 200MHz)
- Low Jitter Design with New-Developed IC
- Package Size: 5.0*3.2, 7.0*5.0mm



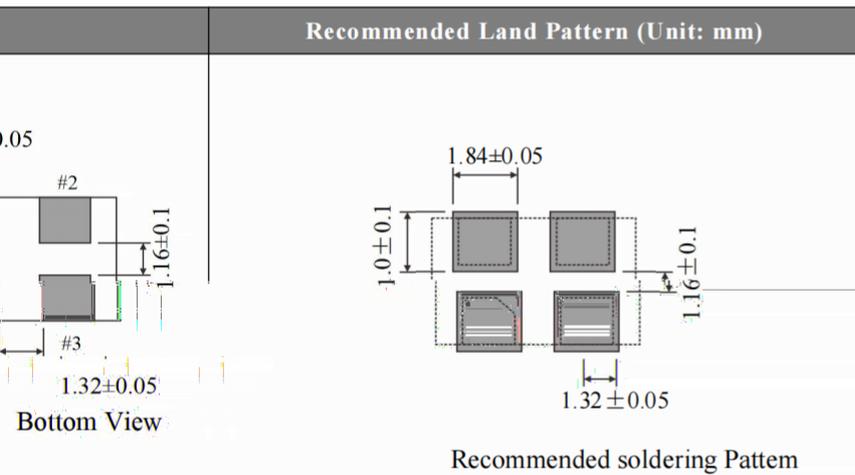
Specifications (規格參數)

Item / Type	CMOS	CMOS
Supply Voltage 电源电压	1.8 V	2.5 V
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		400µA
Current Consumption 消耗电流	35mA Max	
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, 40 ~ 125°C
	-55 ~ +150°C	Storage Temperature Range 储存温度
Output Voltage 输出电压	VOH = 90%VDD / VOL = 10%VDD	
Duty Cycle 占空比	45~55%	
Rise Time/Fall Time 上升/下降时间	5ns Max	
Start-up Time 启动时间	7ms Max	
Supply Current 供电电流	See Below	
Frequency Aging (at 25°C) 频率老化 (25°C)	±8 ppm/year Max	

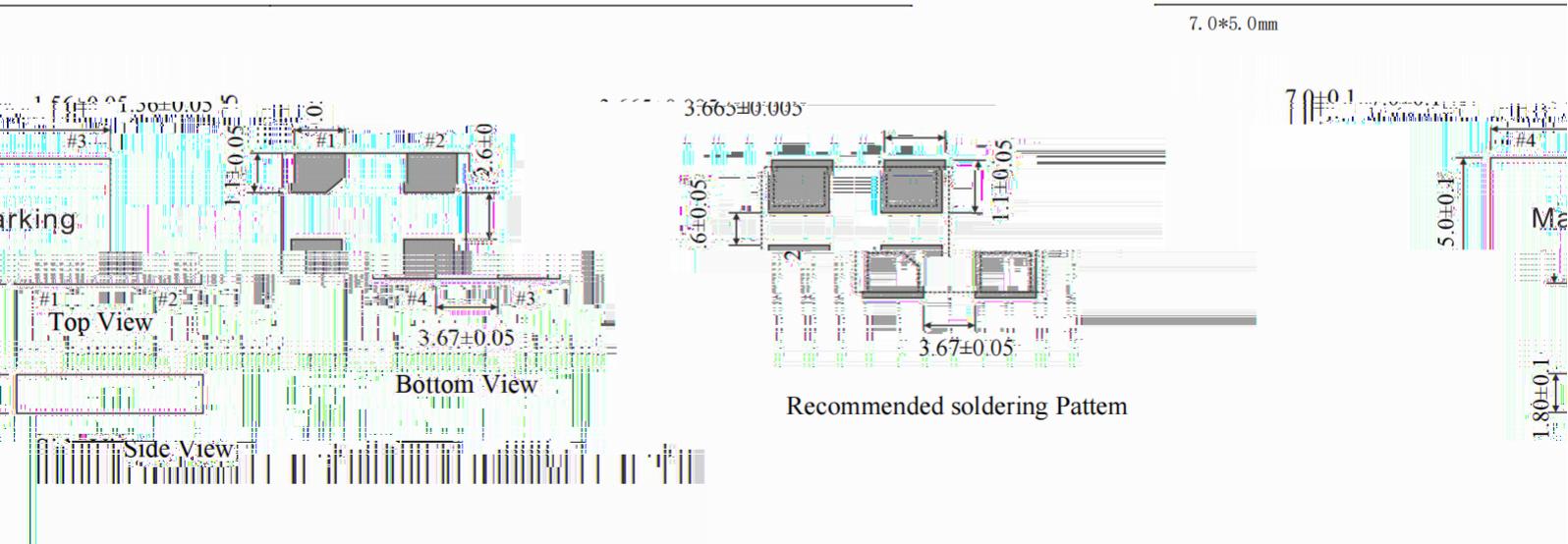
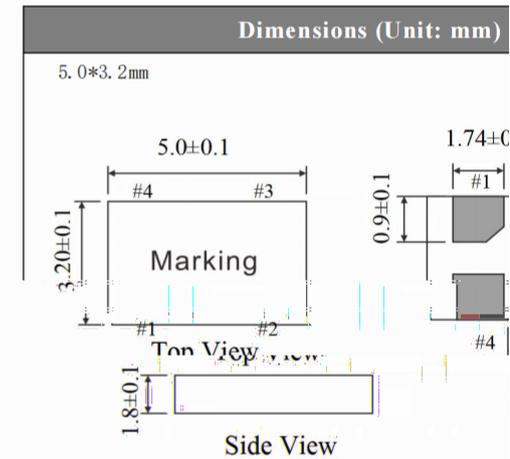
Pin Dimension (脚位尺寸)



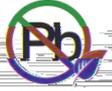
Recommended Land Pattern (外观尺寸及推荐焊盘)



Dimensions and Recommendations



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Test Circuit (测试电路)

