

Crystal Oscillator



YS0160PR



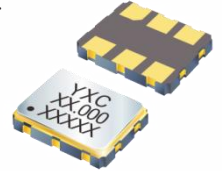
Applications

- 10 GB Ethernet, SONET,
SATA, SAS, Fibre Channel.

Features

·Freq. Range: 10MHz-250MHz.
·Ultra Small SMD seam sealed crystal oscillator units.

·Package Size: 3.2*2.5, 5.0*3.2, 7.0*5.0mm.
·High precision characteristic covering up to wide frequency range.



Specifications (规格参数)

Item / Type	CMOS
Supply Voltage 电源电压	2.5V or 3.3V
Frequency Range 额定频率范围	1MHz to 1250MHz
Frequency Tolerance 频率偏差	±30ppm, ±50ppm or specify
Output Load 输出负载	15pF
Operating Temperature Range 工作温度	-40~+85°C, or specify
Storage Temperature Range 储存温度	-55~+125°C
Current Consumption 消耗电流	40mA Max
Voltage Vol (Max.) / Vol (Min.) 电压	VOH = 90%Vdd/VOL = 10%Vdd
Duty Cycle 占空比	45~55%
Input Voltage 输入电压	VIH=70% Vcc Min, VIL=30% Vdd Max.
Start-up Time 启动时间	10ms Max
RMS Jitter [12 kHz ~ 20 MHz] 相位抖动	1.0ps Typ.
Frequency Aging (at 25°C) 老化率	±3 ppm / year Max

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Pin Dimension (脚位尺寸)

Pin	#1	#2	#3	#4	#5	#6
FUNCTION	Vcon	NC	GND	OUT	NC	VDD

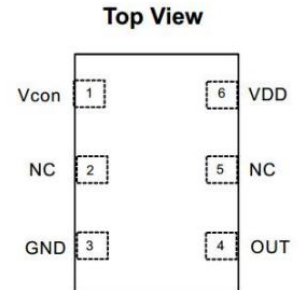


Figure 1. Pin Assignments

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

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)
<p>3.2*2.5mm</p>	
<p>5.0*3.2mm</p>	
<p>7.0*5.0mm</p>	