



给您一颗快乐的“芯”！

# YSO1212SR O1212D8MEDA4SC

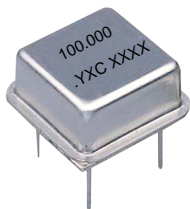


## Features

- External dimensions: 12.7 x 12.7 x 5.4 mm.
- Frequency range: 1MHz ~ 100MHz.
- All metal welded package.
- Builtin CMOS IC with tristate function.

## Applications

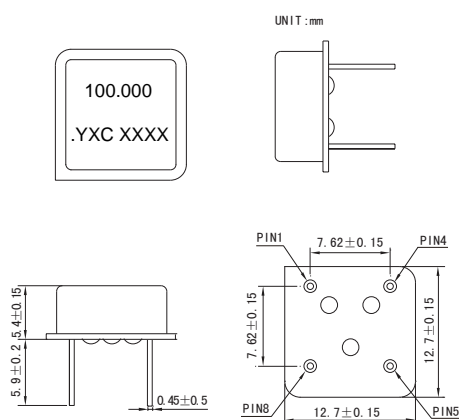
- Monitor, computers, wireless lan card & wire, CDplayer, HDD, Work station.



## Electrical Specifications

Item / Type	YSO1212SR
Output Frequency Range	8 MHz
Output Type	CMOS
Supply Voltage	3.3V
Oscillation Mode	Fundamental
Frequency Tolerance	± 20ppm
Output Load	15 pF
Operating Temperature Range	- 20 ~ + 70 °C
Storage Temperature Range	- 40 ~ + 85 °C
Voltage Vol ( Max. ) / Vol ( Min. )	90%Vdd min./10%Vdd max
Symmetry	40 ~ 60 % Standard
Rise ( Tr ) / Fall ( Tf ) Time	10 ns Max.
Start-up Time	10 ms Max.
Supply Current	30 mA Max. (<50MHz)
Frequency Aging ( at 25 °C )	± 3 ppm / year Max.

## Dimensions



引脚	功能	定义
1	E/D	三态 / 无三态
4	GND	接地
5	OUTPUT	输出
8	Vdd	电源电压

Units: mm



# 给您一颗快乐的“芯”！ YSO1212SR



★ PART NUMBER GUIDE 部件号示例 e.g. O1212D8MEDA4SC YSO1212SR=12.7×12.7 SMD SEAM TYPE

Quartz Crystal Oscillator	Dimensions	Frequency (Hz)	Supply voltage (V)	Frequency Stability Overall (ppm)	output	Pin	Material	Operating Temp. Range
O	1212D	8M	E	D	A	4	S	C

★ INPUT CURRENT 工作电流

Vdc=5.0V		Vdc=1.8~3.3V	
15pF only		15pF only	
1.0 ~ 35.999 MHz	25 mA max	1.0 ~ 35.999 MHz	20mA max
36.0 ~ 69.999 MHz	60mA max	36.0 ~ 69.999 MHz	40mA max
70.0 ~ 100 MHz	80mA max	70.0 ~ 100 MHz	60mA max

★ Test Circuit 测试电路

