

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.

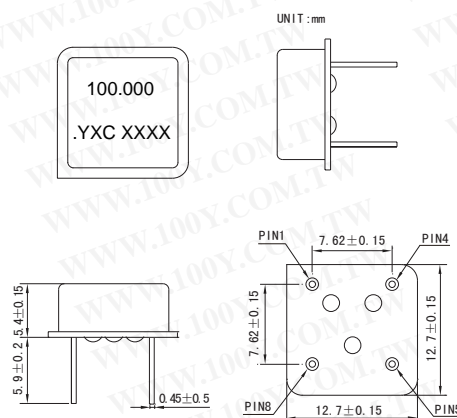
Applications

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

Electrical Specifications

| Item / Type | YSO1212SR |
|-------------------------------------|--|
| Output Frequency Range | 1 ~ 100 MHz |
| Output Type | CMOS |
| Supply Voltage | 3.3V/5V, or specify |
| Oscillation Mode | Fundamental |
| Frequency Tolerance | ± 20ppm, ± 25ppm, or specify |
| Output Load | 15 pF, or specify |
| Operating Temperature Range | - 20 ~ + 70 °C , - 40 ~ + 85 °C , or specify |
| Storage Temperature Range | - 40 ~ + 85 °C , - 55 ~ + 125 °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 |
| 2 | GND | 接地 |
| 3 | OUTPUT | 输出 |
| 4 | Vdd | 电源电压 |

Units: mm



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
 Http://www.100y.com.tw

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YSO1212SR



★ PART NUMBER GUIDE 部件号示例 e.g. O1212D100MEEA4SC 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 | 100M | E | E | 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

