

# 差分晶振系列

## 3225



### APPLICATIONS

- SONET / SDH / Gbits / Ethernet
- Graphics/ Radar/ HD Monitoring Devices
- Low Phase Jitter:0.5psec,Typical

#### Electrical Specifications 电气参数

### FEATURE

- LVDS LVPECL HCSL
- Wide Frequency Range

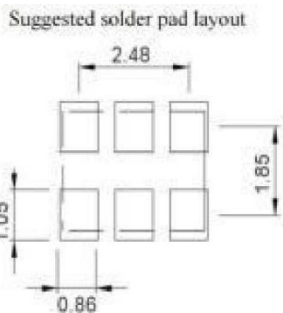
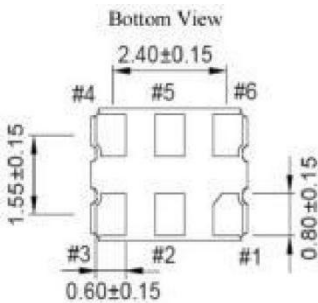
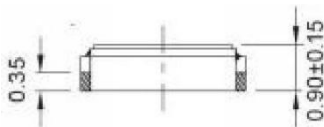
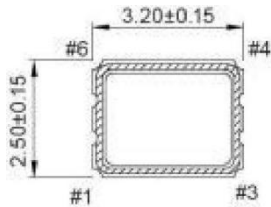
- Low Operating Voltage:1.8V/2.5V/3.3V
- Tri-state Available



| 项目      | Item/Type                   | Electrical Specifications                    |
|---------|-----------------------------|----------------------------------------------|
| 频率范围    | Frequency Range             | 10MHz to 250MHz                              |
| 输出      | Output                      | LVDS, LVPECL, HCSL                           |
| 电源电压    | Supply Voltage              | 1.8V, 2.5V, 3.3V(±10%)                       |
| 频率稳定度   | Frequency Stability         | ±20ppm                                       |
| 工作温度    | Operating Temperature Range | -40°C ~ +85°C                                |
| 消耗电流    | Current Consumption         | 100mA max.                                   |
| 输出负载    | Output Load                 | 100Ω between output and complementary output |
| 占空比     | Symmetry                    | 45% to 55%                                   |
| 启动时间    | Start-up Time               | 3ms max.                                     |
| 上升/下降时间 | Rise/ Fall Time             | 1ns max.                                     |
| 启动/禁用时间 | Output Enable/ Disable Time | Enable:10ms max. Disable:0.2μs max.          |
| 输出电平-高  | Output Logic High "1 "      | 70%VDD.                                      |
| 输出电平-低  | Output Logic Low "0 "       | 30%VDD.                                      |
| 相位抖动    | Phase Jitter                | 0.5psec . @12KHz to 20MHz                    |
| 储存温度范围  | Storage Temperature Range   | -55°C ~ +125°C                               |
| 老化率     | Aging ( at 25°C)            | ±2ppm/year max.                              |

### Mechanical Dimensions 外型尺寸

Units:mm



| Terminal | Connection           |
|----------|----------------------|
| # 1      | Tri-state or N.C     |
| #2       | N.C                  |
| #3       | GND                  |
| #4       | Output               |
| #5       | Complementary Output |
| #6       | Vcc                  |

| Tri-state Function |               |
|--------------------|---------------|
| Tri-state pin      | Output        |
| High or Floating   | Active        |
| Low                | Hi- Impedance |