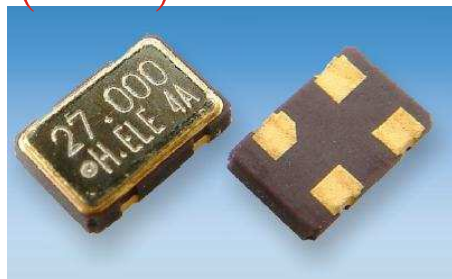


## OSCILLATOR

**SMD TYPE**

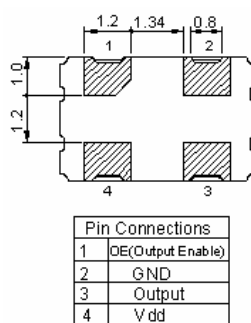
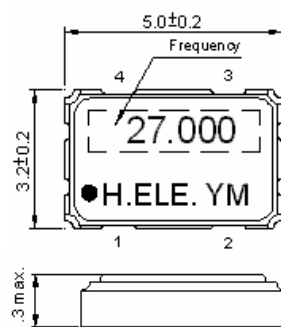
**(RoHS Compliance) HSO531S Series**



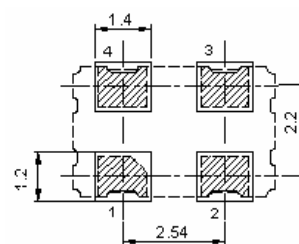
### Features:

- Tri-state function.
- 3.3V drive and low current consumption.

### Dimension (mm):

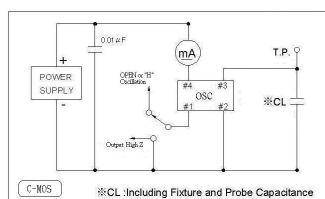


### Recommended Land Pattern (mm) <Top View>

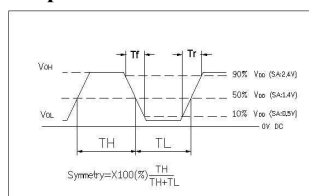


### Test Circuit and Output Waveform:

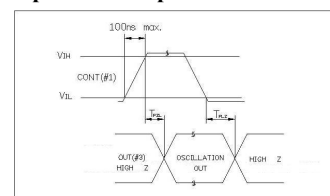
#### Measurement Circuit



#### Output Waveform



#### Input and Output Condition



### Standard Specification:

| TYPE                |                | HSO531S                  |               |               |               |
|---------------------|----------------|--------------------------|---------------|---------------|---------------|
| ITEM                |                |                          |               |               |               |
| Frequency Range     |                | 0.700MHz ~ 125MHz        |               |               |               |
| Frequency Stability |                | ±25ppm, ±50ppm, ±100ppm  |               |               |               |
| Option on pin 1     |                | pin 1 Have Control       |               |               |               |
| POWER voltage       |                | +1.8 V (±10%)            | +2.5 V (±10%) | +2.8 V (±10%) | +3.3 V (±10%) |
| Operating Temp.     |                | -10°C ~ +70°C            |               |               |               |
| Storage Temp.       |                | -55°C ~ +125°C           |               |               |               |
| Out put Character   | "0" Level      | 10%VDD max               |               |               |               |
|                     | "1" Level      | 90%VDD min               |               |               |               |
|                     | Rise Time (Tr) | 10% ~ 90%VDD 10ns max    |               |               |               |
|                     | Fall Time (Tf) | 90% ~ 10%VDD 10ns max    |               |               |               |
|                     | Symmetry       | 60/40 to 40/60 at 50%VDD |               |               |               |
|                     | Output Load    | 15pF, 30pF, 50pF Max.    |               |               |               |

\*Packing Unit : 1,000pcs/Reel.