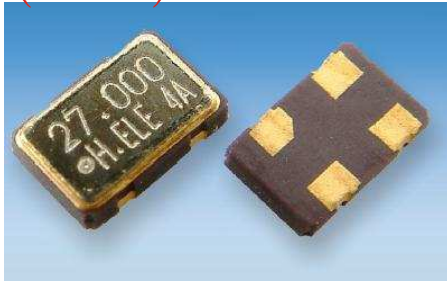


# OSCILLATOR

## SMD TYPE

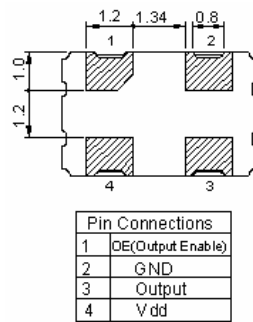
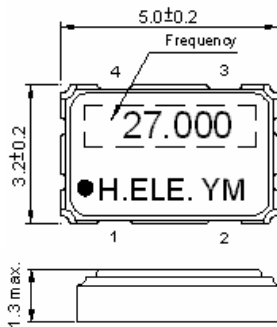
**(RoHS Compliance) HSO531S Series**



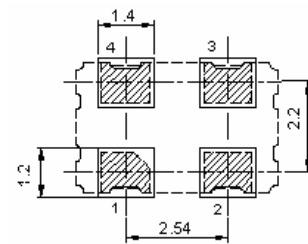
**Features:**

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

**Dimension (mm):**

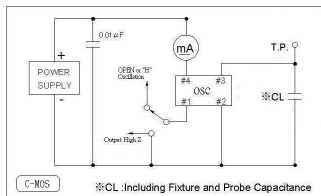


**Recommended Land Pattern (mm)  
<Top View>**

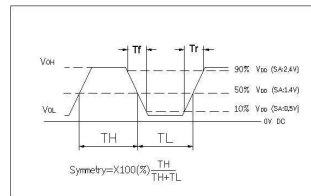


**Test Circuit and Output Waveform:**

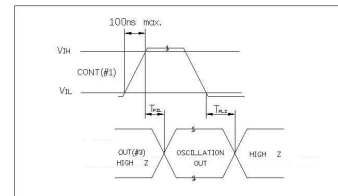
**Measurement Circuit**



**Output Waveform**



**Input and Output Condition**



**Standard Specification:**

ITEM	TYPE	HSO531S			
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.