

# CRYSTAL OSCILLATOR

## VCXO

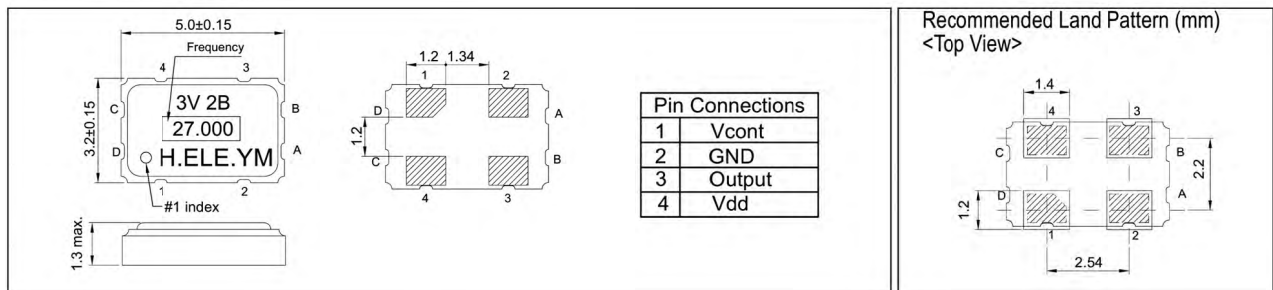
### HSV531S Series



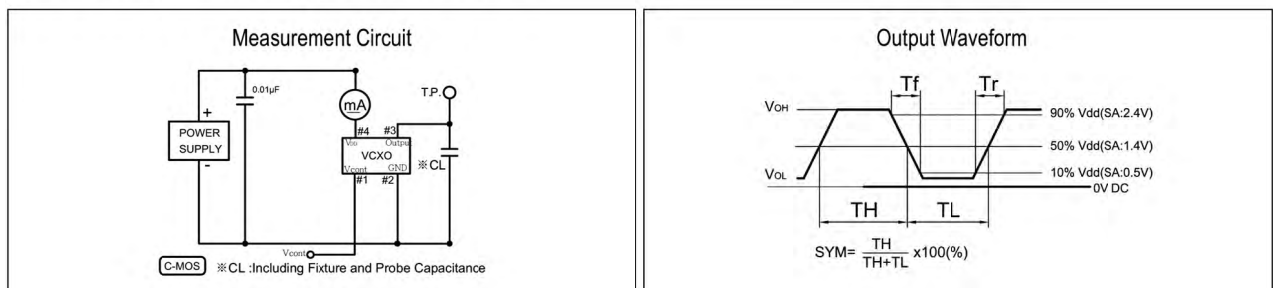
#### Features:

- Industry standard SMD type VCXO.
- Better tolerance performance with voltage IC control.
- Common solution for new production design in networking applications, such as ADSL, set-top box, and base stations.

#### Dimension (mm):



#### Test Circuit and Output Waveform:



#### Standard Specification:

| ITEM                    | TYPE           | HSV531S                    |
|-------------------------|----------------|----------------------------|
| Frequency Range         |                | 1.8MHz ~ 55MHz             |
| Frequency Stability     |                | ±25ppm, ±50ppm, ±100ppm    |
| Power Voltage           |                | +3.3 V DC、+5.0V DC (±10%V) |
| Frequency Pulling Range |                | ±50ppm, ±90ppm Min         |
| Control Voltage Range   |                | 0.3V to 3.0V、0.5V to 4.5V  |
| Storage Temp.           |                | -55°C ~ +125°C             |
| Current Consumption     |                | 30mA Max.                  |
| Output Character        | "0" Level      | 10%VDD Max.                |
|                         | "1" Level      | 90%VDD Min.                |
|                         | Rise Time (Tr) | 10% ~ 90%VDD 10ns Max.     |
|                         | Fill Time (Tf) | 90% ~ 10%VDD 10ns Max.     |
|                         | Symmetry       | 40/60% at 50%VDD           |
|                         | Output Load    | 15pF                       |

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