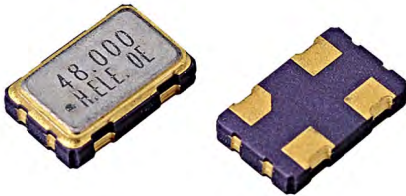


CRYSTAL OSCILLATOR

SPXO

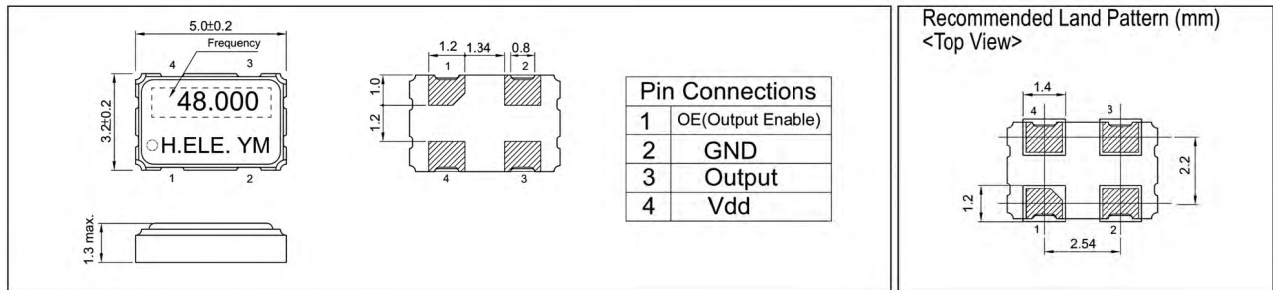
HSO531S Series



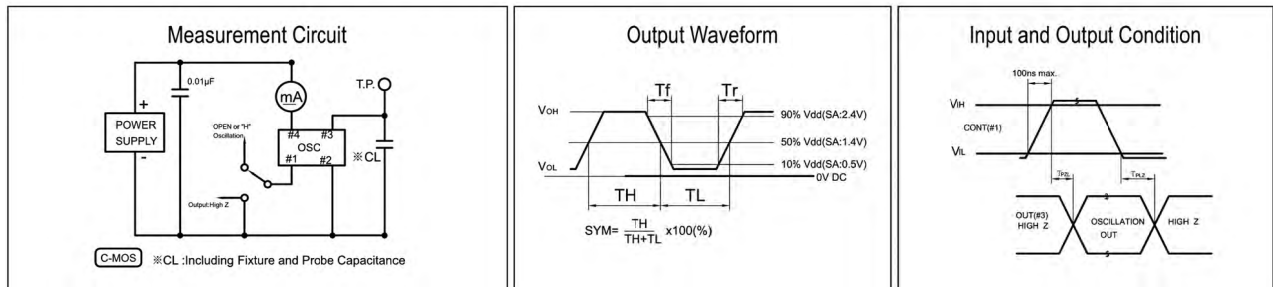
Features:

- Mature industry mainstream oscillator package.
- Tri-state function.
- 3.3V drive and low current consumption.
- Small supply voltage shift.
- Common solution for home security devices, networking, and base station applications.

Dimension (mm):



Test Circuit and Output Waveform:



Standard Specification:

| ITEM | TYPE | HSO531S | | | |
|---------------------|----------------|--------------------------|---------------|---------------|---------------|
| Frequency Range | | 0.700MHz ~ 160MHz | | | |
| 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%) |
| Storage Temp. | | -55°C ~ +125°C | | | |
| Output 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.