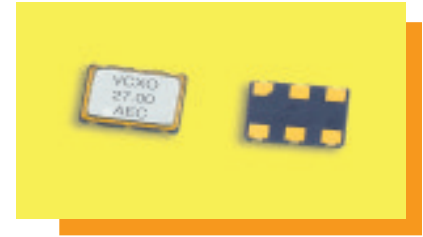


Features

- ★ Stable frequency
- ★ Low height
- ★ High reliability and precision
- ★ Eutectic reflow soldering

Applications

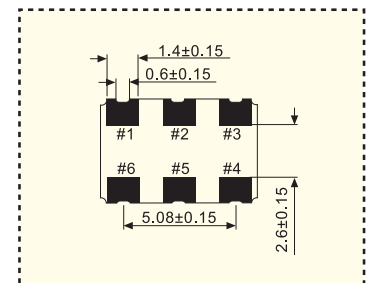
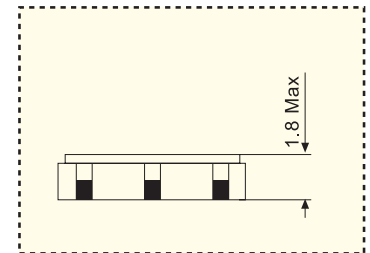
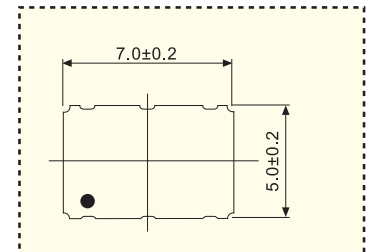
- ★ Set top box
- ★ ADSL
- ★ MPEG
- ★ Cable modem



Specifications (Characteristics)

| Item | Unit | VCXO | |
|--|--------------------|--|---|
| Frequency Range | MHz | 2~47 | |
| Standard Frequency | MHz | 2.048, 16.384, 19.44, 20, 27, 35.328 | |
| Frequency Stability in | ppm | ±30 Max | |
| Operating Temp. Range | | ±50 Max | |
| Operating Temperature Range | °c | -20 ~ +70 | |
| Storage Temperature Range | °c | -40 ~ +85 | |
| Power Supply voltage(Vdd) | VDC | ±5.0 | ±3.3 |
| External control function / External control voltage | ppm | ±100 Min/+2.5V±2.0 VDC | ±100 / +1.65 ±1.35 VDC |
| Current Consumption | mA | 15 (F≤ 20MHz) 20 (20 - 30MHz) 25 (>30MHz) 30 (>40MHz) | 10 Max (F≤20 MHz) 15 Max (20-30 MHz) 20 (>30MHz) 25 (>40MHz) |
| Output | Load | 15pF | |
| | Voltage | V | Vol : 0.1Vdd Max. Voh ~ 0.9Vdd Min. |
| | Rise and fall time | ns | 10 ns Max. 6 ns Max. (F > 10 MHz) at 10% ~ 90% Vdd |
| | Symmetry | % | 45% ~ 55% at 0.5Vdd |
| Phase noise | | -130 dBc /Hz Typ. (at 1.0KHz) | |

Dimension (Unit: mm)



Part Number and Ordering

| Part Number Code | Holder Type + Frequency + Stability VS Temp. + Operating Temp. + PPM/VDC + Supply voltage |
|------------------|---|
| Ordering Code | Same as Above |
| Example | VCXO/SMD7050-27.0M-50- -20/70-100/1.65-3.3V |

Connection (Unit: mm)

| Terminal | Connection |
|----------|-------------|
| #1 | +VCC |
| #2 | N.C. or INH |
| #3 | GND |
| #4 | OUTPUT |
| #5 | N.C. |
| #6 | VDD |