

Features

- ★ Compactness
- ★ High accuracy
- ★ Low height
- ★ Outstanding durability against heat

Applications

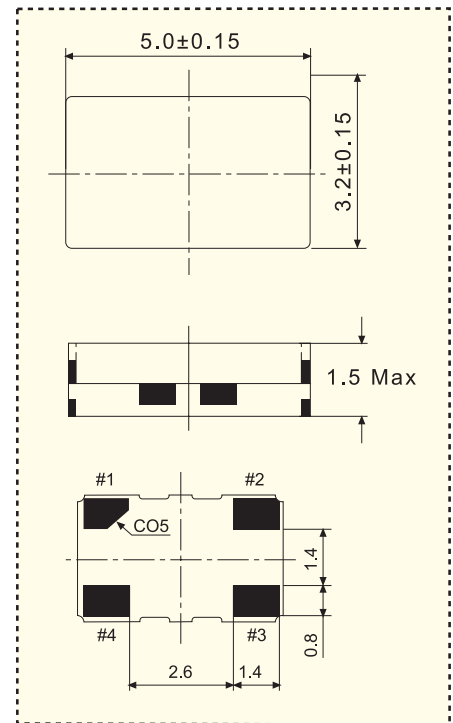
- ★ Cellular telephone
- ★ GPS
- ★ PHS
- ★ other telecommunication equipment



Specifications (Characteristics)

| Item | Unit | TCXO | VCTCXO |
|-----------------------------|----------------|------------------------------|----------------------|
| Frequency Range | MHz | 12 ~ 20 | |
| Nominal Frequency | MHz | 13.0, 14.400, 19.2, 19.680 | |
| Frequency | Tolerance | ppm ±0.5 | |
| Stability | Temperature | ppm ±2.5 (-30°C ~ +75°C) | |
| | Aging | ppm ±1.0 / year (25°C) | |
| | Supply Voltage | ppm ±0.2 / (+3.0V ±5%) | |
| | Change | | |
| Operating Temperature Range | °C | -30 ~ +75 | |
| Storage Temperature Range | °C | -40 ~ +85 | |
| Power supply voltage | VDC | +2.7 ~ +5.0 | |
| Current Consumption | mA | 2 Max(Load.) | |
| Output | Load | 10KΩ/10pF | |
| | Voltage | V 0.8Vp-p Min. | |
| | Waveform | Clipped Sine Wave | |
| External Control Function | | | |
| Frequency Tuning Range | ppm | ----- | ±8.0 Min. (Positive) |
| External Control Voltage | VDC | ----- | +1.5±1.0VDC |
| Phase Noise | | -135 dBc /Hz Type(at 1.0KHz) | |

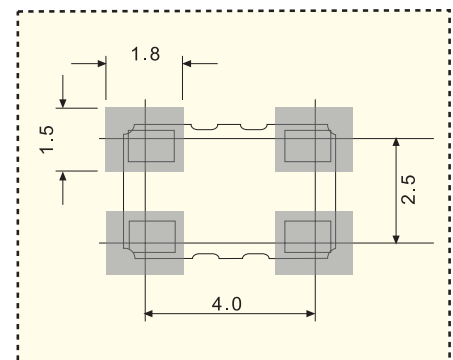
Dimension (Unit: mm)



Part Number and Ordering

| | |
|------------------|---|
| Part Number Code | Holder Type + Frequency + Tolerance + Stability VS Temp. + Operating Temp. + PPM/VDC + Supply voltage |
| Ordering Code | Same as Above |
| Example | TCXO/SMD5032-19.2M-0.5-2.5- -30/75-3V |

Soldering Pattern (Unit: mm)



Connection

| Terminal | Connection | |
|----------|------------|-------|
| | | TCXO |
| #1 | GND | VCONT |
| #2 | GND | |
| #3 | OUTPUT | |
| #4 | VCC | |