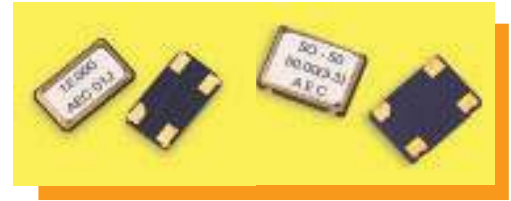


Features

- ★ Small size
- ★ Surface mounted
- ★ 4 pads
- ★ Supply voltage 3.3V & 5.0V

Applications

- ★ PC main boards
- ★ IT applications
- ★ Telecommunications
- ★ Data communications



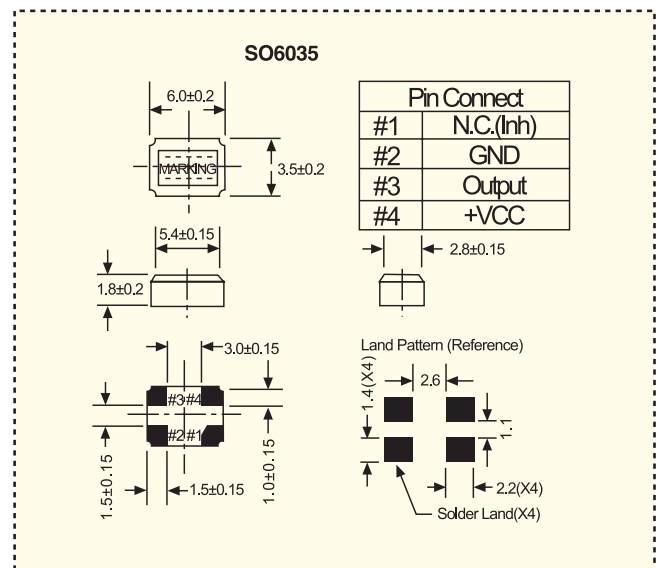
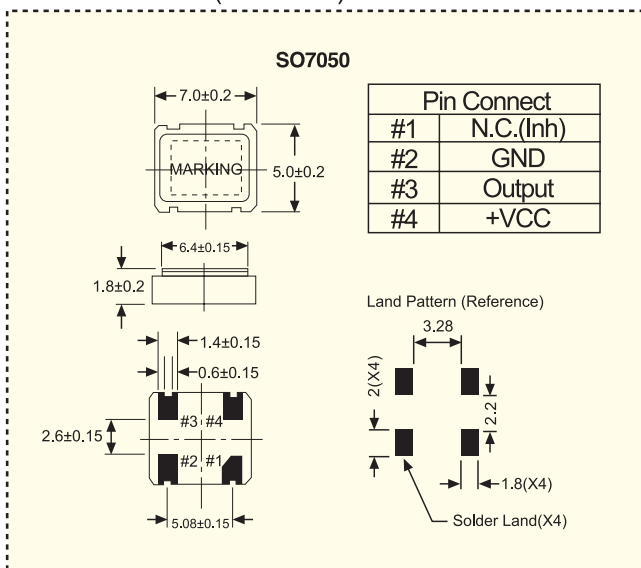
Specifications (Characteristics)

| Item | Unit | SO-7050 | | SO-6035 | |
|-----------------------|------|------------------------|------|--------------|------|
| Frequency Range | MHz | 0.5~107 | | 0.5~125 | |
| Frequency Stability | ppm | | | ±25, 50, 100 | |
| Operating Temp. Range | °c | 0 ~ +70 | | | |
| Storage Temp. Range | °c | -55 ~ +125 | | | |
| Power Supply Voltage | VDC | +5 (±5%) | +3.3 | +5 (±5%) | +3.3 |
| Current Consumption | mA | 15 ~ 60 Max | | 10 ~ 50 Max | |
| Output | | TTL-CMOS (See Table 1) | | | |

Table 1

| Output Level | Unit | CMOS | TTL |
|------------------|------|--|------------------|
| "0" Level | V | Vol: 0.1Vdd Max | Vol: 0.4 Max |
| "1" Level | | Voh: 0.9Vdd Min | Voh: 2.4 Min |
| Rise & Fall Time | ns | 10 Max: F≤40MHz 6 Max: F>40MHz | |
| | | At 10%~90% VDD | |
| Load | | 15pF | 2 or 5 or 10TTL |
| Symmetry | % | F≤50MHz: 45%~55% at 50% F>50MHz: 40%~60% at 50% | 40%~60% at +1.4V |

Dimension (Unit: mm)



Part Number and Ordering

| Part Number Code | Holder Type + Frequency + Stability VS Operating Temp. + Operating Temp. + Supply voltage + Dimension |
|------------------|---|
| Ordering Code | Same as Above |
| Example | OSC/SMD-24.576M-50-0/70-3.3V-SO7050 |