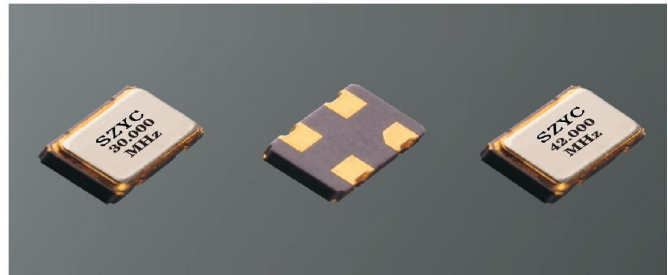




Features

Tri-state. Enable/Disable
TTL / HCMOS Output
Seam Welding Type
Tape and Reel
Excellent Solder Ability



Electrical Specification

| Type | | SMD7050&5032 | SMD3225 |
|--------------------------|------------------------------------|--|---|
| 频率范围(MHz) | Frequency Range | 1.000~156.000MHZ | 2.000~60MHZ |
| 调整频差 (ppm) | Frequency Tolerance (at 25°C) | Inclusive of operating temperature range, supply voltage, and load | ± 100ppm, ± 50ppm or ± 25ppm, ± 20ppm Max |
| 工作温度 (°C) | Operating Temperature | ± 100, ± 50ppm ± 25, ± 20ppm | 0°C ~+70°C or -40°C ~+85°C 0°C ~ +70°C |
| 储存温度 (°C) | Storage Temperature Range | -55°C ~ +125°C | |
| 电源电压 (V _{DD}) | Supply Voltage (V _{DD}) | 5.0V _{DC} ± 10%, 3.3V _{DC} ± 10%, 2.5V _{DC} ± 10% | |
| 输入电流 | Input Current | 1.000 ~ 44.736MHz | 30mA Max |
| 高电平 | Higher Potentiometer | w / HCMDS load | 90% of V _{DD} Min |
| 低电平 | Lower Potentiometer | w / HCMDS load | 10% of V _{DD} Max |
| 上升/下降时间 | Rise / Fall Time | 1.000 ~ 34.999MHz | 10nsec Max |
| | | 35.000 ~ 44.736MHz | 5nsec Max |
| 占空因数 | Duty Cycle | at 50% of waveform w / HCMOS load or 1.4V _{DC} w / TTL load | 50 ± 10% (STD) 50 ± 5% (Optional) |
| | | | |
| 负载驱动能力 | Load Drive Capability | 10TTL load or 15pF HCMOS load(STD) | |
| 老化率 (ppm/y) | Aging | ± 5ppm/year Max | |
| 起振时间 | Start-Up Time | 10msec Max | |

Crystal Oscillators SMD Type (7x5mm, 5x3.2mm, 3.2x2.5mm)

■ Frequency Stability over Temperature Range (AT cut) (Table)

| Temperature Range | | ±20PPM | ±25PPM | ±30PPM | ±35PPM | ±40PPM | ±45PPM | ±50PPM |
|-------------------|---|--------|--------|--------|--------|--------|--------|--------|
| | | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 0~+50°C | A | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| -5~+55°C | B | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| -10~+60°C | C | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| -20~+70°C | D | / | Δ | Δ | Δ | Δ | Δ | Δ |
| -30~+85°C | E | / | / | / | Δ | Δ | Δ | Δ |
| -40~+85°C | F | / | / | / | Δ | Δ | Δ | Δ |

■ Dimension (Unit: mm)

