

# SMD Oscillators

## CMOS Output

### 7.0 x 5.0 x 0.9 mm TA Series



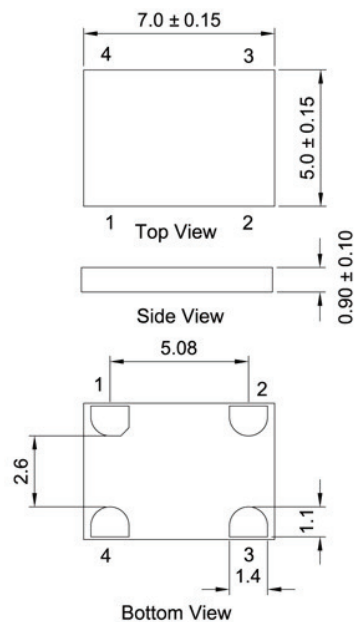
#### Features

- Molded in plastic package
- Silicon-based MEMS oscillator
- Frequency range 1~150MHz
- High stability, low power consumption
- RoHS Compliant / Pb Free
- Main application : DSC, NB Computers, Computer Peripherals

#### Electrical Specifications

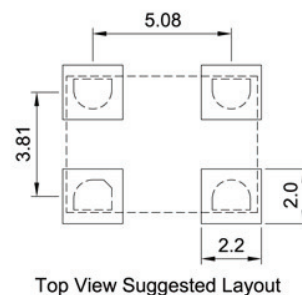
| Item / Type                         | TA                                       |
|-------------------------------------|--|
| Output Frequency Range              | 1~ 150MHz                                |
| Output Type                         | CMOS                                     |
| Supply Voltage                      | 1.8V, 2.5V, 3.3V                         |
| Frequency Stability                 | ±25ppm                                   |
| Operating Temperature Range         | -40 ~ +85°C                              |
| Output Load                         | 15pF Max.                                |
| Supply Current                      | 25.0 mA Max.(1.0~ 60.0 MHz Vdd=3.3V)     |
|                                     | 30.0 mA Max. (60.0~ 133.33 MHz Vdd=3.3V) |
| Voltage Vol ( Max. ) / Voh ( Min. ) | 0.1 VDD / 0.9 VDD                        |
| Symmetry                            | 45%~55% (1.0~ 100.0 MHz)                 |
|                                     | 40%~60% (100 ~ 200.0 MHz)                |
| Rise / Fall Time                    | 3 ns. Max.                               |
| Start-up Time                       | 10msec Max.                              |
| Storage Temperature Range           | -55 ~ +125°C                             |

#### Dimensions



#### PAD FUNCTION:

- 1: OE / ST
- 2: GND
- 3: OUT
- 4: VDD



Units: mm