



## FEATURES

Short Lead Time  
Can Be Programmed Twice  
Plastic Package

## DIMENSION

OSC74: 13.9 x 9.5 x 4.7[mm]

## TYPICAL SPECIFICATIONS

|                            |                                                                              |                                      |
|----------------------------|------------------------------------------------------------------------------|--------------------------------------|
| Nominal frequency range    | 1 ~ 133MHz                                                                   | 1 ~ 100MHz                           |
| Frequency stability        | $\pm 25 \times 10^{-6}$ , $\pm 50 \times 10^{-6}$ , $\pm 100 \times 10^{-6}$ |                                      |
| Temperature range(°C)      | Operating                                                                    | 0 ~ 70°C, -20 ~ + 70°C, -40 ~ + 85°C |
|                            | Storage                                                                      | -55 ~ +125°C                         |
| Power Supply Voltage (Vdd) | 3.3V                                                                         | 5.0V                                 |
| Current consumption        | 45mA Max. : Freq < 133 MHz                                                   | 25mA Max. : Freq < 100MHz            |
| Output                     | TTL-CMOS (See Table A)                                                       |                                      |

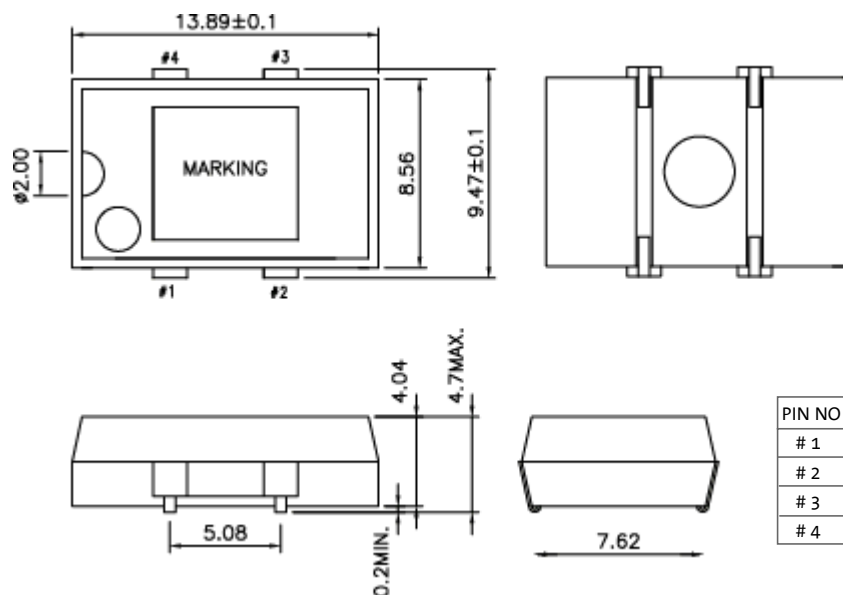
## TABLE A

|                  |           |                                                              |                     |
|------------------|-----------|--------------------------------------------------------------|---------------------|
| Output level     |           | TTL                                                          | CMOS                |
| Load             |           | 15 pF / 50 pF Max.                                           | 25 / 50 pF Max.     |
| Output voltage   | "0" level | VOL:10%Vdd Max.                                              | VOL:10%Vdd Max.     |
|                  | "1" level | VOH:90%Vdd Min.                                              | VOH:90%Vdd Min.     |
| Rise & fall time |           | 0.8V ~ 2 V, 4.5-5.5Vdd, CL = 50 : 1.8ns Max.                 |                     |
|                  |           | 0.8V ~ 2 V, 4.5-5.5Vdd, CL = 25 : 1.2ns Max.                 |                     |
|                  |           | 0.8V ~ 2 V, 4.5-5.5Vdd, CL = 15 : 0.9ns Max.                 |                     |
|                  |           | 0.2V ~ 0.8 Vdd, 4.5-5.5Vdd, CL = 50 : 3.4ns Max.             |                     |
|                  |           | 0.2V ~ 0.8 Vdd, 3.0-3.6Vdd, CL = 30 : 4.0ns Max.             |                     |
|                  |           | 0.2V ~ 0.8 Vdd, 3.0-3.6Vdd, CL = 15 : 2.4ns Max.             |                     |
| Symmetry         |           | 45 ~ 55% at 50% Vdd F≤69.9MHz<br>40 ~ 60% at 50% Vdd F>70MHz | 45 ~ 55% at 50% Vdd |

\* Please consult with us for other specification.

## OUTLINE DIMENSIONS

Unit:mm



| PIN NO | CONNECTION  |
|--------|-------------|
| # 1    | N.C. or INH |
| # 2    | GND         |
| # 3    | OUTPUT      |
| # 4    | VCC         |