

# SMD LVDS SO 5.0 x 3.2 x 1.2 mm CT Series

Oscillators  
 Series

## Features

- SAW base solution.
- 3.3V and 2.5V operation available.
- LVDS output, output frequencies 150 MHz to 700 MHz.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- RoHS Compliant / Pb Free.

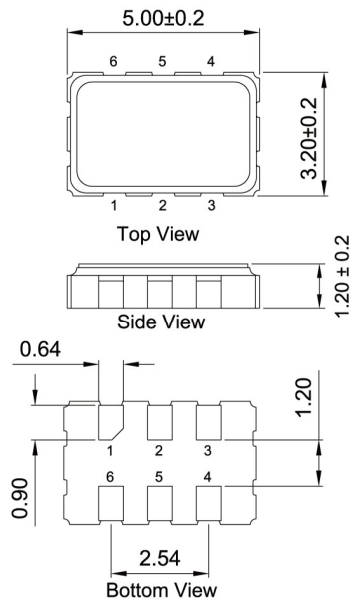


## Electrical Specifications

| Item / Type                                    | CT                         |
|--|----------------------------|
| Output Type                                    | LVDS                       |
| Output Load                                    | 100 Ω                      |
| Oscillation Mode                               | Fundamental                |
| Supply Voltage                                 | 2.5 V , 3.3 V              |
| Frequency Range                                | 150 ~ 700 MHz              |
| Overall Frequency Stability *                  | ± 100 ppm , or specify     |
| Operating Temperature Range                    | -10 ~ + 70 °C , or specify |
| Storage Temperature Range                      | - 55 ~ + 125 °C            |
| Voltage Vol ( Max. ) / Voh ( Min. )            | 0.9 V / 1.6 V              |
| Rise ( Tr ) / Fall ( Tf ) Time ( 20 % ~ 80 % ) | 1 ns Max.                  |
| Supply Current                                 | 80 mA Max.                 |
| Symmetry                                       | 45 ~ 55 %                  |
| Start-up Time                                  | 10 ms Max.                 |
| Phase Jitter ( 12 KHz ~ 20 MHz )               | 1 ps Max.                  |

\* Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

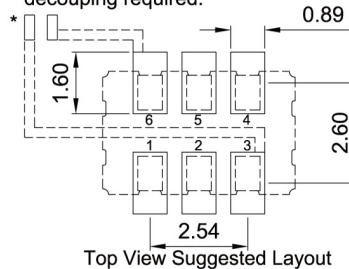
## Dimensions



### PAD FUNCTION:

- 1: ENABLE CONTROL or NC
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5:  $\overline{\text{OUT}}$
- 6: VDD

\* :External high frequency power supply decoupling required.



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.