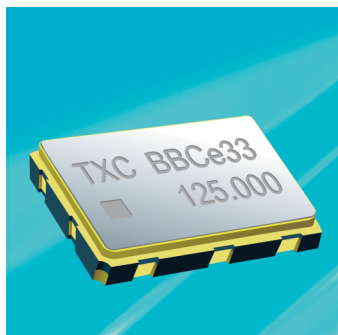




### Features

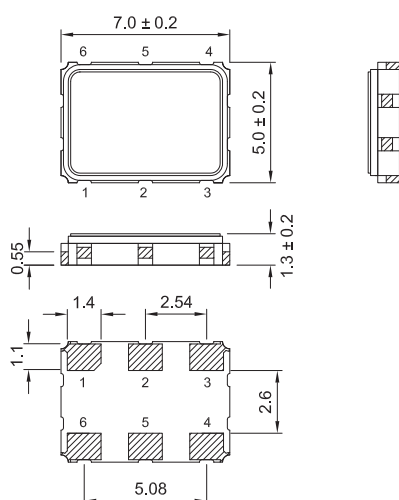
- > 3rd overtone solution.
- > 3.3V and 2.5V operation available.
- > LVPECL output, output frequencies 50 MHz to 160 MHz.
- > Excellent low phase noise and jitter.
- > Tri-State function available.
- > Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- > RoHS Compliant / Pb Free.

### Electrical Specifications

| Item / Type                                    | BB                                        |
|------------------------------------------------|-------------------------------------------|
| Output Type                                    | LVPECL                                    |
| Output Load                                    | 50 $\Omega$ to VDD - 2 V                  |
| Oscillation Mode                               | 3rd Overtone                              |
| Supply Voltage                                 | 2.5 V , 3.3 V                             |
| Frequency Range                                | 50 ~ 160 MHz                              |
| Overall Frequency Stability *                  | $\pm 50$ ppm ( - 40 ~ + 85 $^{\circ}$ C ) |
| Operating Temperature Range                    | - 40 ~ + 85 $^{\circ}$ C                  |
| Storage Temperature Range                      | - 55 ~ + 125 $^{\circ}$ C                 |
| Voltage Vol ( Max. ) / Voh ( Min. )            | VDD - 1.62 V / VDD - 1.025 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 initial tolerance, operating temperature, supply voltage variation and aging.

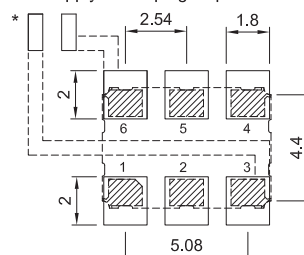
### Dimensions



PAD FUNCTION:  
 1:ENABLE CONTROL  
 2:NC  
 3:GND  
 4:OUT  
 5:-OUT  
 6:VDD

Suggested Layout

\* :Power Supply Decoupling Capacitor is Required.



Units:mm

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