

# SMD Oscillators- Differential Output 7.0 x 5.0 x 1.3 mm BB Series

Oscillators  
 Series

## Features

- 3rd overtone solution.
- 3.3V and 2.5V operation available.
- LVPECL output, output frequencies 50 MHz to 200 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.

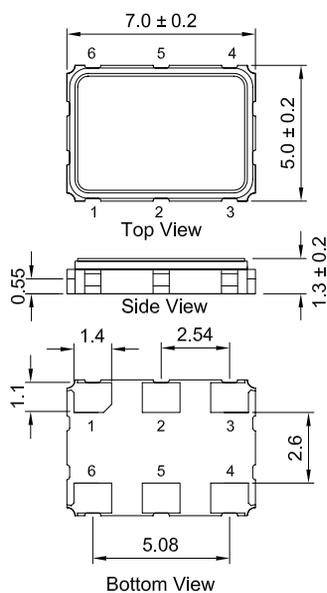


## Electrical Specifications

Item / Type	BB
Output Type	LVPECL
Output Load	50 Ω to VDD - 2 V
Oscillation Mode	3rd Overtone
Supply Voltage	2.5 V , 3.3 V
Frequency Range	25 ~ 250 MHz
Overall Frequency Stability *	± 50 ppm , or specify
Operating Temperature Range	-10 ~ + 70 °C , - 40 ~ + 85 °C , or specify
Storage Temperature Range	- 55 ~ + 125 °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.

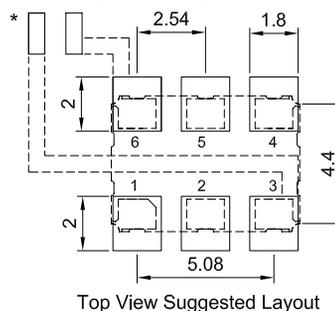
\* Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

## Dimensions



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

\* :Power Supply Decoupling Capacitor is Required.



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>