

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

Oscillators  
 Series

## Features

- PLL solution.
- 3.3V and 2.5V operation available.
- LVDS output, output frequencies 75 MHz to 700MHz.
- 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.

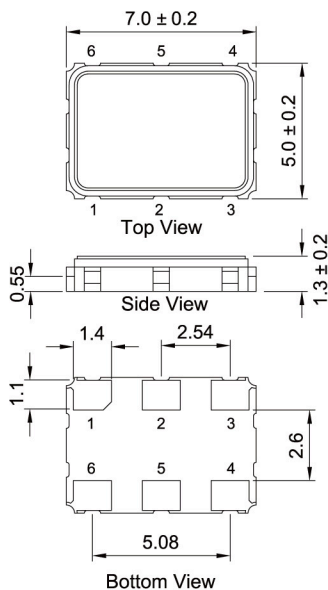


## Electrical Specifications

Item / Type	BG
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	PLL
Supply Voltage	2.5 V , 3.3 V
Frequency Range	75 ~ 700 MHz
Overall Frequency Stability *	± 50 ppm
Operating Temperature Range	- 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol ( Min. ) / Voh ( Max. )	0.9 V / 1.6 V
Rise ( Tr ) / Fall ( Tf ) Time ( 20 % ~ 80 % )	1 ns Max.
Supply Current	99 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 ms Max.
Phase Jitter ( 12 KHz ~ 20 MHz )	1 ps Max.

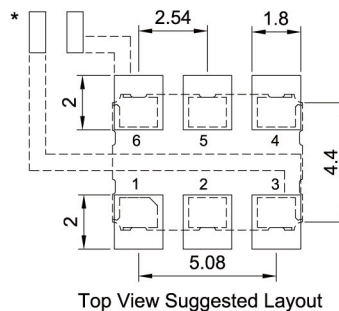
\* Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

## 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.