

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.

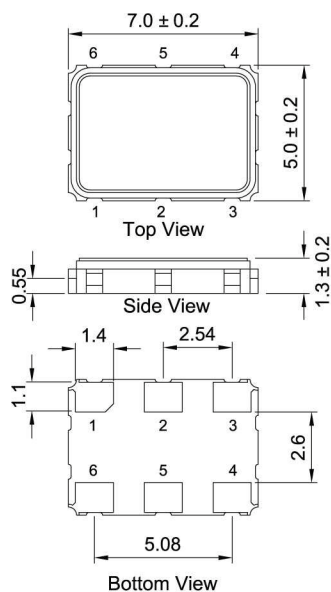


Electrical Specifications

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 $^{\circ}\text{C}$
Storage Temperature Range	- 55 ~ + 125 $^{\circ}\text{C}$
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.

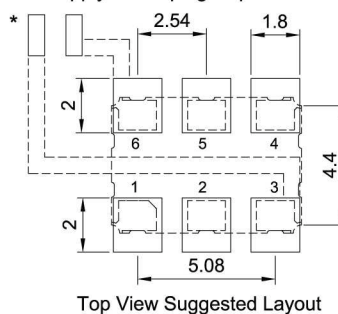
* Inclusive of frequency tolerance at 25 $^{\circ}\text{C}$, variation over temperature, supply voltage variation, aging and vibration.

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.