



**THE DATASHEET OF  
BF-100.000MBE-T**





### Features

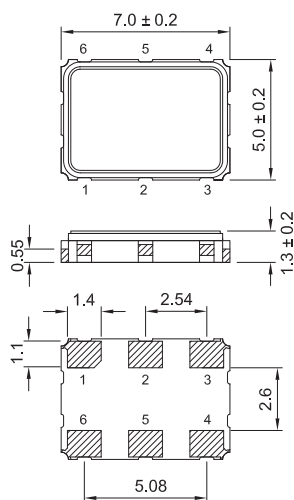
- > 3rd overtone solution.
- > 3.3V and 2.5V operation available.
- > LVDS output, output frequencies 50 MHz to 160 MHz.
- > Excellent low phase noise and jitter.
- > Tri-State function available.
- > Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH /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

### Electrical Specifications

Item / Type	BF
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	3rd Overtone
Supply Voltage	2.5 V , 3.3 V
Frequency Range	50 ~ 160 MHz
Overall Frequency Stability *	± 50 ppm ( - 40 ~ + 85 °C )
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	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.

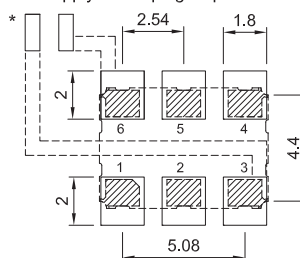
### Dimensions



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.







## Looking for pricing, stock, or lifecycle information?

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