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

Features

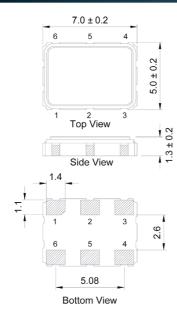
- · 3rd overtone solution.
- · 3.3V and 2.5V operation available.
- · LVPECL output, output frequencies 25MHz to 200MHz.
- · Excellent low phase noise and jitter.
- · Tri-state function available.
- · Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- · RoHS compliant / Pb Free.



ectrical Specifications	
Item / Type	ВВ
Output Type	LVPECL
Output Load	50 Ω
Oscillation Mode	3rd Overtone
Supply Voltage (VDD)	2.5 V , 3.3 V
Frequency Range	25 ~ 200 MHz
Overall Frequency Stability *	\pm 50 ppm , or specify
Operating Temperature Range	-10 \sim + 70 $^{\circ}\text{C}$, - 40 \sim + 85 $^{\circ}\text{C}$, or specify
Storage Temperature Range	- 55 ~ + 125 ℃
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.

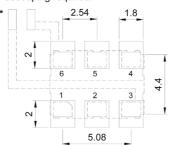
^{*} Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

Dimensions



PAD FUNCTION:

- 1: ENABLE CONTROL or NC
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5: OUTN 6: VDD
- * :External high frequency power supply decouping required.



Top View Suggested Layout Units: mm