

SMD Oscillators- Differential Output 7.0 x 5.0 x 1.3 mm BA Series



Features

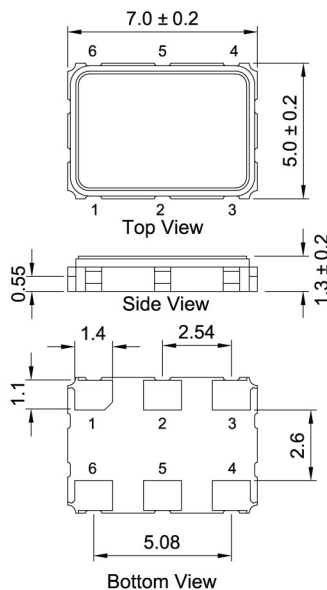
- Fundamental solution.
- 3.3V and 2.5V operation available.
- PECL output, output frequencies 25 MHz to 200 MHz.
- Excellent low phase noise and jitter.
- Tri-state function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- RoHS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

Electrical Specifications

Item / Type	BA
Output Type	LVPECL
Output Load	50 Ω to VDD - 2 V
Oscillation Mode	Fundamental
Supply Voltage	2.5 V, 3.3 V
Frequency Range	25 ~ 200 MHz
Overall Frequency Stability *	± 50 ppm
Operating Temperature Range	- 40 ~ + 85 $^{\circ}$ C
Storage Temperature Range	- 55 ~ + 125 $^{\circ}$ 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.

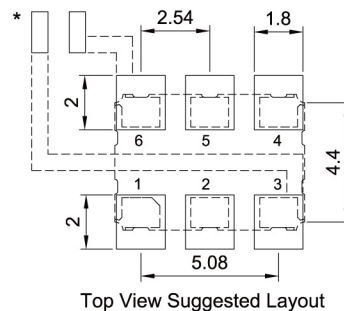
* Inclusive of frequency tolerance at 25 $^{\circ}$ C, variation over temperature, supply voltage variation, aging and vibration.

Dimensions



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

* :Power Supply Decoupling Capacitor is Required.



Units: mm

Mouser Electronics

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