

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

Oscillators
 Series

Features

- Fundamental solution.
- 3.3V and 2.5V operation available.
- LVDS 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.

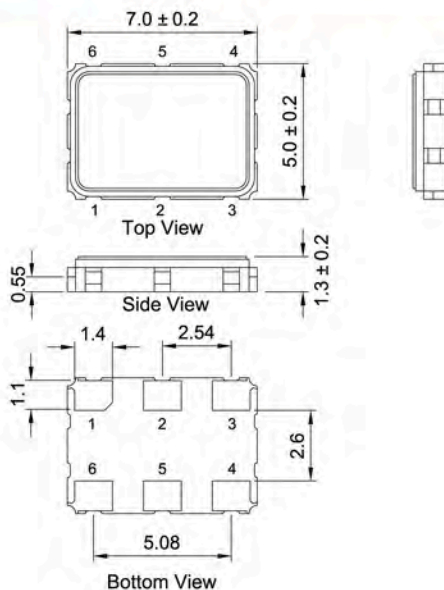


Electrical Specifications

| Item / Type | BE |
|--|-----------------|
| Output Type | LVDS |
| Output Load | 100 Ω |
| 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 °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. |

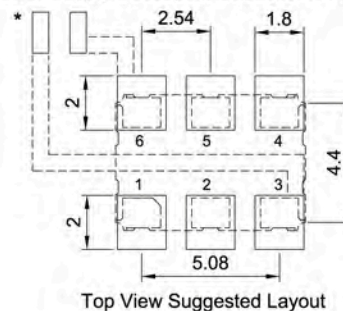
* Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

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.