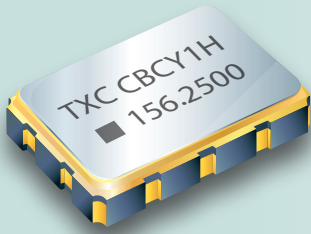


# SMD LVPECL Crystal Oscillators - Differential Output

## 5.0 x 3.2 x 1.2 mm CB Series



### Features

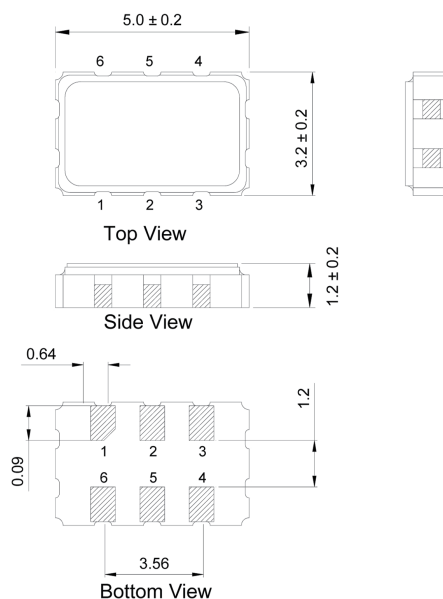
- 3rd overtone solution.
- 3.3V and 2.5V operation available.
- LVPECL output, output frequencies 25 MHz to 200 MHz.
- Excellent low phase noise and jitter.
- Tri-state function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH/SONET.
- RoHS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

### Electrical Specifications

Item / Type	CB
Output Type	LVPECL
Output Load	50 Ω to VDD - 2 V
Oscillation Mode	3rd Overtone
Supply Voltage (VDD)	2.5 V , 3.3 V
Frequency Range	25 ~ 200 MHz
Overall Frequency Stability *	± 50 ppm , or specify
Operating Temperature Range	-10 ~ + 70 °C, - 40 ~ + 85 °C, or specify
Storage Temperature Range	- 55 ~ + 125 °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.

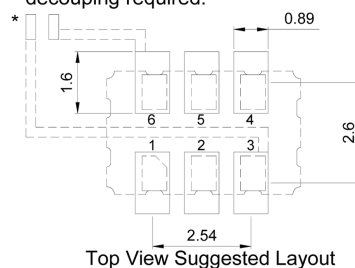
\* Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

### 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 decoupling required.



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>