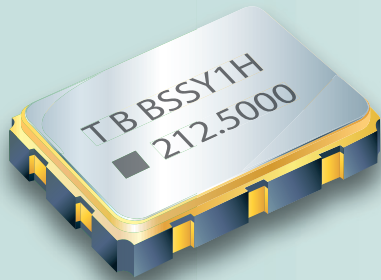


# SMD LVPECL SAW Oscillators - Differential Output 7.0 x 5.0 x 1.6 mm BS Series



## Features

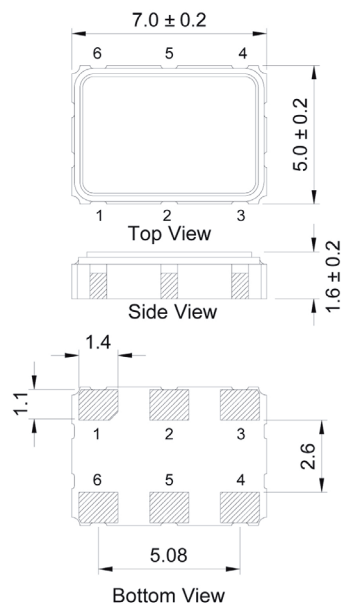
- SAW base solution.
- 3.3V and 2.5V operation available.
- LVPECL output, output frequencies 150 MHz to 700 MHz.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- RoHS Compliant / Pb Free.

## Electrical Specifications

Item / Type	BS
Output Type	LVPECL
Output Load	50 Ω
Oscillation Mode	Fundamental
Supply Voltage (VDD)	2.5 V , 3.3 V
Frequency Range	150 ~ 700 MHz
Overall Frequency Stability *	± 100 ppm , or specify
Operating Temperature Range	-10 ~ + 70 °C , - 5 ~ + 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.

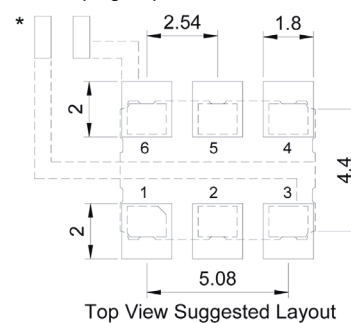
## Dimensions



### 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