

# SMD LVPECL SO

## 7.0 x 5.0 x 1.6 mm

### BS Series



#### Features

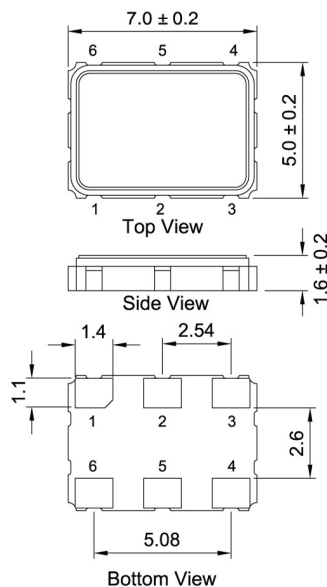
- SAW base solution.
- 3.3V and 2.5V operation available.
- LVPECL output, output frequencies 150 MHz to 700 MHz.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- RoHS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

#### Electrical Specifications

Item / Type	BS
Output Type	LVPECL
Output Load	50 Ω to VDD - 2 V
Oscillation Mode	Fundamental
Supply Voltage	2.5 V , 3.3 V
Frequency Range	150 ~ 700 MHz
Overall Frequency Stability *	± 100 ppm , or specify
Operating Temperature Range	-10 ~ + 70 °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.

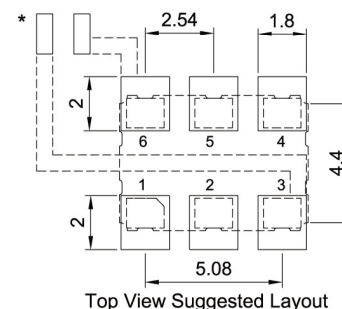
#### Dimensions



#### 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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## [TXC Corporation:](#)

[BS-100.000MBB-T](#) [BS-100.000MBC-T](#) [BS-100.000MCB-T](#) [BS-100.000MCC-T](#) [BS-106.250MBC-T](#) [BS-106.250MCC-T](#) [BS-125.000MBC-T](#) [BS-125.000MCC-T](#) [BS-150.000MBC-T](#) [BS-150.000MCC-T](#) [BS-156.250MBC-T](#) [BS-156.250MCC-T](#) [BS-175.000MBB-T](#) [BS-175.000MBC-T](#) [BS-175.000MCB-T](#) [BS-175.000MCC-T](#) [BS-187.500MBB-T](#) [BS-187.500MBC-T](#) [BS-187.500MCB-T](#) [BS-187.500MCC-T](#) [BS-200.000MBB-T](#) [BS-200.000MBC-T](#) [BS-200.000MCB-T](#) [BS-200.000MCC-T](#) [BS-212.500MBC-T](#) [BS-212.500MCC-T](#) [BS-250.000MBC-T](#) [BS-250.000MCC-T](#) [BS-300.000MBB-T](#) [BS-300.000MBC-T](#) [BS-300.000MCB-T](#) [BS-300.000MCC-T](#) [BS-312.500MBC-T](#) [BS-312.500MCC-T](#) [BS-350.000MBB-T](#) [BS-350.000MBC-T](#) [BS-350.000MCB-T](#) [BS-350.000MCC-T](#) [BS-375.000MBB-T](#) [BS-375.000MBC-T](#) [BS-375.000MCB-T](#) [BS-375.000MCC-T](#) [BS-400.000MBB-T](#) [BS-400.000MBC-T](#) [BS-400.000MCB-T](#) [BS-400.000MCC-T](#) [BS-425.000MBB-T](#) [BS-425.000MBC-T](#) [BS-425.000MCB-T](#) [BS-425.000MCC-T](#) [BS-500.000MBB-T](#) [BS-500.000MBC-T](#) [BS-500.000MCB-T](#) [BS-500.000MCC-T](#) [BS-75.000MBB-T](#) [BS-75.000MBC-T](#) [BS-75.000MCB-T](#) [BS-75.000MCC-T](#) [BS-78.125MBB-T](#) [BS-78.125MBC-T](#) [BS-78.125MCB-T](#) [BS-78.125MCC-T](#) [BS-87.500MBB-T](#) [BS-87.500MBC-T](#) [BS-87.500MCB-T](#) [BS-87.500MCC-T](#) [BS-93.750MBB-T](#) [BS-93.750MBC-T](#) [BS-93.750MCB-T](#) [BS-93.750MCC-T](#) [BSB1270003](#) [BSB1270002](#) [BSA5670001](#)