

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