

Overview

The asicNorth ANLVLSHFT0400 is a single to differential level shifter from 1.8V to -15V. The ANLVLSHFT0400 includes the -15V pad driver for driving the signal off chip.

This circuit is particularly useful for off-chip applications where relatively fast negative supply differential signaling is required.

Applications

- Negative supply off-chip differential signaling
- Off-chip gate drivers

Features

- Temperature Range: -55C to 125C
- Power Supply: 1.8V +/- 10%
- Input Range: 1.8V +/- 10%
- Output Range: 15V +/- 10%
- Output Propagation Delay: < 20ns (2pf)
- Process: ONC18
- Area = 0.1 mm² (420μm x 240μm)

Deliverables

- Specification
- GDS
- CDL
- LEF
- Verilog model
- Application documentation

Block Diagram

