

LVDS Driver 600Mbps 0.45V 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: SOP-8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The device accepts low voltage TTL/CMOS logic signals and converts them to a differential current output of typically ± 3.1 mA for driving a transmission medium such as a twisted-pair cable. The transmitted signal develops a differential voltage of typically ± 355 mV across a termination resistor at the receiving end, and this is converted back to a TTL/CMOS logic level by a line receiver.

The ADN4661 and a companion LVDS receiver offer a new solution to high speed point-to-point data transmission, and a low power alternative to emitter-coupled logic (ECL) or positive emitter-coupled logic (PECL).

Applications

Backplane data transmission
Cable data transmission
Clock distribution

Key Features

Flow-through pin-out simplifies PCB layout
300ps Typical differential skew
700ps Maximum differential skew
1.5ns Maximum propagation delay
23mW Typical low power dissipation
Interoperable with existing 5V LVDS receivers

Application

Backplane data transmission
Cable data transmission
Clock distribution

Recommended For You

ADM3490EARZ

Analog Devices, Inc

SOP-8

ADuM3160BRWZ-RL

Analog Devices, Inc

SOP16

ADM3232EARUZ

Analog Devices, Inc

TSSOP-16

ADuM5211ARSZ

Analog Devices, Inc
SSOP20

ADuMI201BRZ-RL7

Analog Devices, Inc
SOP8

ADV7623BSTZ

Analog Devices, Inc
LQFP144

ADuMI410BRWZ

Analog Devices, Inc
SOP16

AD698APZ

Analog Devices, Inc
PLCC28

ADM3251EARWZ

Analog Devices, Inc
SOP20

ADM485ANZ

Analog Devices, Inc
DIP

ADuM6400ARWZ

Analog Devices, Inc
SOP16

ADuMI281BRZ

Analog Devices, Inc
SOP8

ADUMI42E0BRZ

Analog Devices, Inc
SOP-16

ADuMI412BRWZ

Analog Devices, Inc
SOP16

ADV7622BSTZ

Analog Devices, Inc
TQFP144