New Products

LM75150 dual line driver
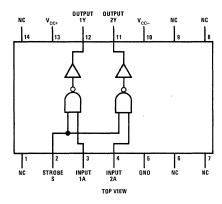
general description

The LM75150 is a monolithic dual line driver designed to interface with data communication equipment. The device satisfies the specifications of EIA standard RS232C. A rate of 20,000 bits per second can be transmitted with a full 2500 pF load. Other applications are in data-transmission systems using relatively short single lines, in level translators, and for driving MOS devices. The logic input is compatible with most TTL and DTL families. Operation is from +12V and −12V power supplies. The LM75150 is characterized for operation from 0°C to +70°C.

features

■ Withstands sustained output short-circuit to any low-impedance voltage between −25V and +25V

■ 2.0 μs max transition time through the +3.0V to −3.0V transition region under full 2500 pF load

■ Inputs are DTL/TTL compatible

■ Common strobe input

■ Inverting output

■ Slew rate control with external capacitor

connection diagrams

Dual-In-Line Package

TOP VIEW

Dual-In-Line Package

TOP VIEW