ADM488ARZ

Data Sheet

Low Power, Slew Rate Limited RS-485; Package: SOIC; No of Pins: 8; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-8
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for ADM488ARZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

They are intended for balanced data transmission and comply with both EIA Standards RS-485 and RS-422. Both products contains a single differential line driver and a single differential line receiver making them suitable for full duplex data transfer.

The ADM489 contains an additional receiver and driver enable control.

The input impedance is 12 kohms, allowing 32 transceivers to be connected on the bus.

The ADM488/ADM489 operates from a single +5 V ± 10% power supply. Excessive power dissipation caused by bus contention or by output shorting is prevented by a thermal shutdown circuit. This feature forces the driver output into a high impedance state if during fault conditions a significant temperature increase is detected in the internal driver circuitry.

The receiver contains a fail-safe feature that results in a logic high output state if the inputs are unconnected (floating). The ADM488/ADM489 is fabricated on BiCMOS, an advanced mixed technology process combining low power CMOS with fast switching bipolar technology.

The ADM488/ADM489 is fully specified over the industrial temperature range and is available in DIP, SOIC and TSSOP packages.

Features

Meets EIA RS-485 Standard

250 kbps Data Rate

Single 5 V ± 10% Supply

12 kO Input Impedance

2 kV EFT Protection Meets IEC1000-4-4

High EM Immunity Meets IEC1000-4-3

Reduced Slew Rate for Low EM Interference

Short Circuit Protection

Excellent Noise Immunity

30 µA Supply Current

Related Products

ADV7181CBSTZ

Analog Devices, Inc

LQFP-64

AD8170AR

Analog Devices, Inc

SOP8

AD724JR

Analog Devices, Inc

SOIC-16

ADV7393BCPZ

Analog Devices, Inc

LFCSP-VQ-40

ADV7391WBCPZ

Analog Devices, Inc

LFSCP-3

ADV7390BCPZ

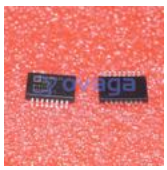
Analog Devices, Inc

QFN32

ADV7341BSTZ

Analog Devices, Inc

LQFP-64



ADUM4160BRIZ

Analog Devices, Inc

SOIC-16