

Single Transmitter/Receiver RS-422/RS-485 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: SOP8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The ADM483E has a low current shutdown mode in which it consumes only 0.1 μ A.

Because only one driver is enabled at any time, the output of a disabled or power-down driver is three-stated to avoid overloading the bus.

Drivers are short-circuit current-limited and are protected against excessive power dissipation by thermal shutdown circuitry that places their outputs into a high impedance state. The receiver input has a fail-safe feature that guarantees a logic high output if the input is open circuit.

The ADM483E is fully specified over the industrial temperature ranges and is available in 8-lead SOIC_N packages.

Applications

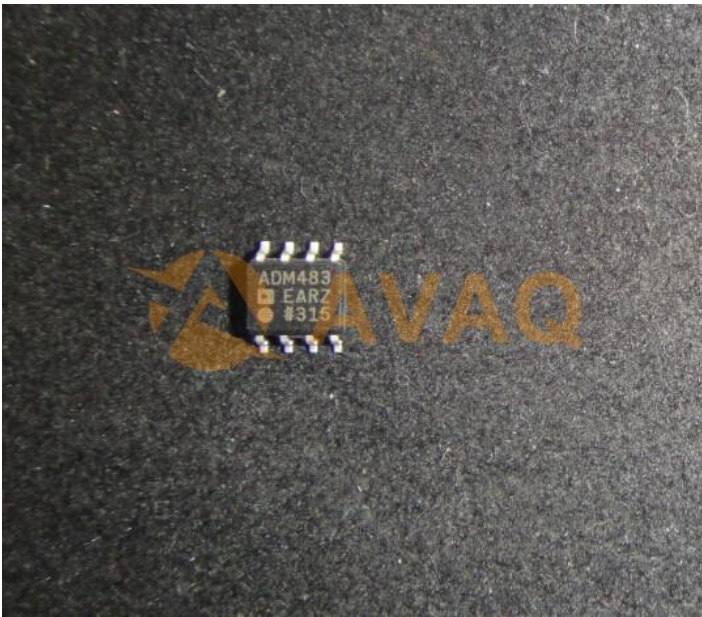
- Low power RS-485 systems
- Electrically harsh environments
- EMI sensitive applications
- DTE-DCE interface
- Packet switching
- Local area networks

Key Features

- Reduced slew rate for low EM interference
- Up to 32 nodes on the bus
- Receiver open-circuit failsafe design
- Short-circuit protection
- 36 μ A Supply current
- 0.1 μ A Shutdown current
- 250kbps Data rate

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Recommended For You

ADM3490EARZ

Analog Devices, Inc
SOP-8

ADuM3160BRWZ-RL

Analog Devices, Inc
SOP16

ADMB232EARUZ

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

ADMB251EARWZ

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