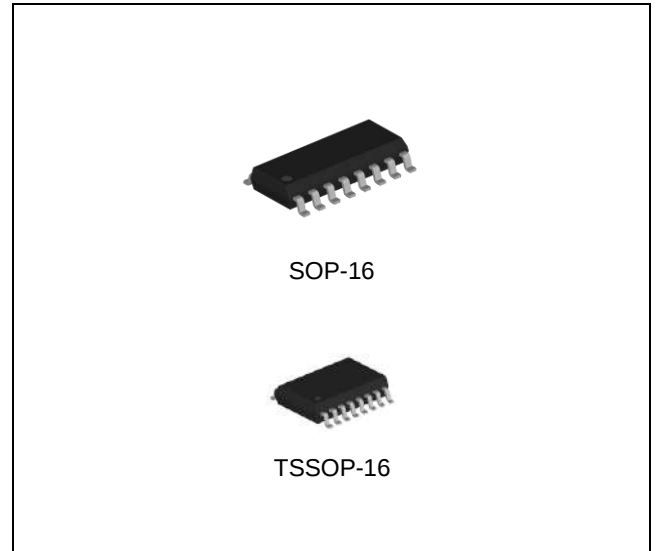


FEATURES

- Output voltage levels are compatible with input levels of CMOS and TTL integrated circuits
- Meets All EIA/TIA-232E and V.28/V.24 Specifications
- Supply voltage range from 4.5 to 5.5V
- Low input current: 1.0 μ A at 25°C
- Output current 24mA
- Tolerable value of static potential not less than 2kV
- Available in SOP-16, TSSOP-16 Package

APPLICATIONS

- Portable Computers
- Battery-Powered RS-232 Systems
- Interface Translation
- Low-Power Modems
- Terminals

**ORDERING INFORMATION**

Device	Package
TJ232ED	SOP-16
TJ232ETD	TSSOP-16

* Refer to the ordering information for the details.

DESCRIPTION

The TJ232 is a dual driver/receiver of RS-232 standard with a single supply voltage and bipolar output voltage of the transmitter formed by a built-in voltage multiplying generator on four 1.0 μ F external capacitors, designed for use in state-of-the-art high performance computing systems, high-speed electronic devices with high reliability of information exchange between remote objects.

Input voltage levels are compatible with standard CMOS and TTL levels.

ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	MIN.	MAX.	UNIT
Supply Voltage	V _{CC}	-0.3	6.0	V
Transmitter High Output Voltage	V ₊	V _{CC} -0.3	14	V
Transmitter Low Output Voltage	V ₋	-14	0.3	V
Transmitter Input Voltage	V _{TIN}	-0.3	V ₊ +0.3	V
Receiver Input Voltage	V _{RIN}	-30	30	V
Voltage Applied to Transmitter Output	V _{TOUT}	V ₋ -0.3	V ₊ +0.3	V
Voltage Applied to Receiver Output	V _{ROUT}	-0.3	V _{CC} +0.3	V
Storage Temperature Range	T _{STG}	-65	150	°C