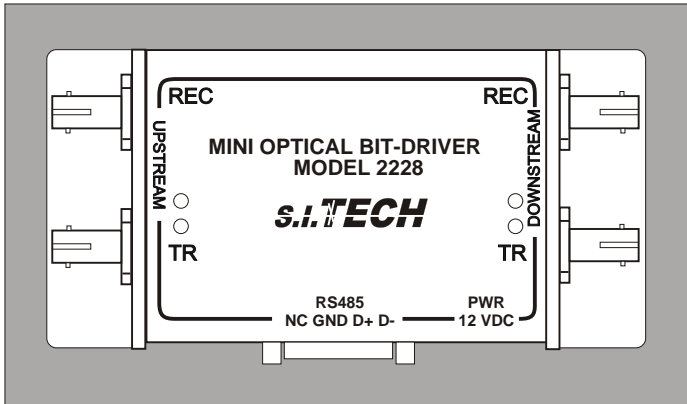


Optical Mini Bit-Driver



Features:

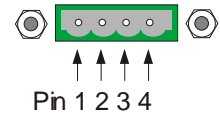
- Wide temperature range Multi-drop RS-485 to fiber Mini Bit-Driver.
- Multimode is standard, Single mode optional.

Fiber ports repeat data through the 2228 and drop/insert data on the RS-485 port. The RS-485 port inserts data onto both fiber ports and gets data dropped from either fiber port.

**RS - 485 CONNECTOR
PINS UTILIZED BY 2228 MINI BIT-DRIVER**

Pin No.	Description
3	Data +
4	Data -
2	Ground
1	NC

RS - 485 CONNECTOR



RS - 485 9 PIN CONNECTOR - FEMALE

Pin No.	Description	Symbol
1	Signal Ground	SG
3	Data (+)	D +
5	Signal Ground	SG
9	Data (-)	D -

OPERATING DISTANCE FOR FIBER OPTIC CABLE

Fiber Size (Microns)	Attenuation dB/Km	Distance Meters*	Distance Feet*
50	3.0	2000	6600
62.5	4.0	2000	6600
10 SM	1.0	10000	33000

* High power option available (20dB)
SM - Single Mode (1300nm) option

ORDERING INFORMATION

Model Number	Description
2228	Multimode to Multimode, ST Connectors
2228-MM-SM	Multimode to Single Mode, ST Connectors
2228-SM-SM	Single Mode to Single Mode, ST Connectors

- Operation Mode:** Asynchronous half or full duplex
- Input/Output Interface:** RS-485, 2 wire port operating up to 256 Kbps (Factory set)
- Transmission Line Interface:** ST connectors are standard for interfacing with fiber optic duplex cable (SMA option)
- Optical Power into a 62.5 Micron Core Optical Fiber:** 10 microwatts, 13 dB power budget* @ 850 nanometers (1300nm option)
- Receiver Sensitivity:** 500 nanowatts at less than 10⁻⁹ bit error rate. 50 microwatts max.
- Operating Temperature:** -40 °C to +85 °C (-20 °C to +60 °C SM)
- Metal Enclosure:** 4.80 x 2.25 x 1.0 in (12.2 x 5.71 x 2.54 cm) Panel or DIN rail mounting option
- Weight:** 0.25 lb (100 grams)
- Input Power:** External with power supply (S.I. Tech #2121 - 110 VAC to 12 VDC)
- 230 Volt Version:** Use S.I.Tech 2164 power supply

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.
Specifications subject to change without notice.



TYPICAL APPLICATION

