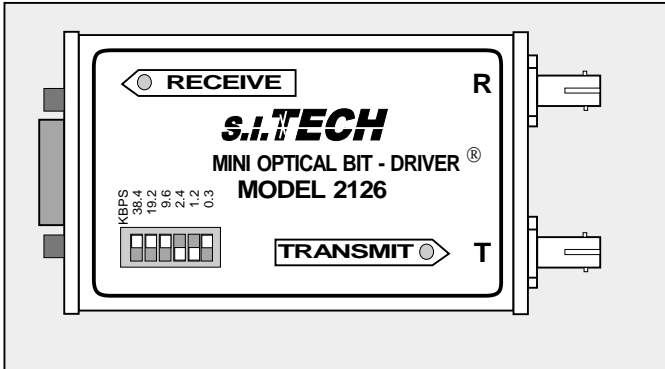


# Model 2126



## Optical Synchronous Mini Bit-Driver® Point to Point



### Features:

- 0 to 38.4 Kbps synchronous half duplex operation
- 6600 ft. (2Km) maximum distance capability
- 0 °C to + 50 °C operating range
- ST connector receptacle (SMA option)
- Switch selectable speeds

### RS - 485 DB-9M MALE CONNECTOR PINS UTILIZED BY 2126 MINI BIT - DRIVER®

Pin No.	Description
1	Ground
3	Data -
5	Ground
9	Data +

- Operation Mode:** Synchronous half duplex
- Input/Output Interface:** RS-485, 9 pin type D, asynchronous at 0 to 38.4 Kbps, connect directly to terminal (RS 485 cable not required)
- Transmission Line Interface:** ST connector is standard for interfacing with fiber optic cable (SMA option)

### Optical Power into a 50 Micron

**Core Optical Fiber:** 0.5 microwatt, 10 dB power budget\* @ 880 nanometers

**Receiver Sensitivity:** 50 nanowatts  
**Bit Error rate:** 10<sup>-9</sup>

**Operating Temperature:** 0 °C to 50 °C

**Metal Enclosure:** 1.75 x 3 x 0.625 in (4.5 x 7.5 x 1.6 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 Volt DC)

**230V Version:** Use S.I.Tech 2122 power supply

### 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
100	5.0	2000	6600

\* High power option available

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

