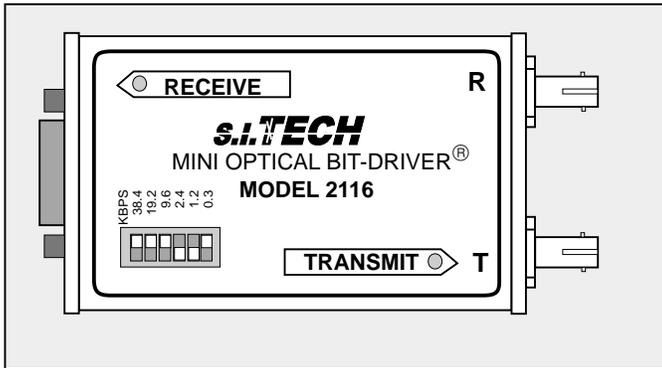


Optical Synchronous Mini Bit-Driver® Point to Point



Features:

- 0 to 38.4 Kbps synchronous, simplex or full duplex operation
- 6600 ft. (2Km) distance capability
- 0 °C to + 50 °C operating range
- ST connector receptacle (SMA option)
- Designed to work with C, X, and L BUS system
- Switch is provided to set system speed

Operation Mode: Synchronous, simplex or full duplex

Input/Output Interface: RS-422, 9 pin type D, asynchronous at 0 to 38.4 Kbps, connect directly to terminal (RS 422 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 at less than 10⁻⁹ bit error rate

Bit Error rate: 10⁻⁹ bit error rate

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 - (110VAC to 12 Volt DC)

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

**RS - 422 PINS UTILIZED BY 2116 MINI BIT - DRIVER®
9 PIN CONNECTOR - MALE (Female Option)**

Pin No.	Description	Symbol
1	Signal Ground	SG
3	Transmit Data (+)	T + (SSD)
4	Receive Data (+)	R + (SRD)
5	Protective Ground	Chassis
6	Receive Data (-)	R - (RC) Receive Common
9	Transmit Data (-)	T - (SC) Send Common

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.

