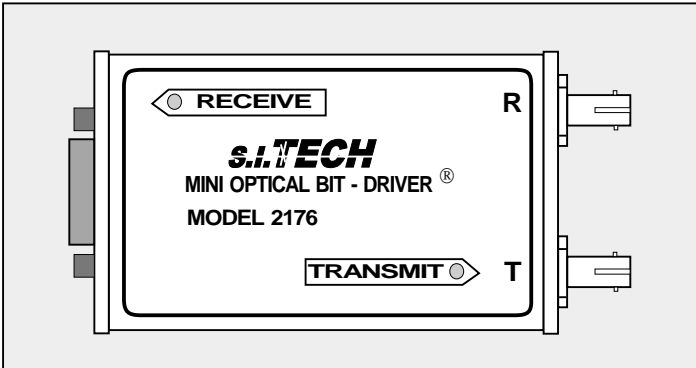


Optical Asynchronous Mini Bit - Driver[®] Point to Point



FEATURES:

- 0 to 256 Kbps asynchronous, simplex or full duplex operation
- 6600 ft. (2 Km) distance capability
- 0 °C to 50 °C operating range
- ST connector receptacle (SMA Option)
- Designed to work with Micros Systems
- Cable assemblies 7176 & 7177

Operation Mode: Asynchronous, simplex or full duplex

Input/Output Interface: RS-422, 9 pin Type D, asynchronous at 0 to 256 Kbps, connects directly to terminal (RS422 cable not required)

Transmission Line Interface: ST connector is standard for interface with fiber optic duplex cable (SMA option)

Optical Power into a 50 Micron Core Optical Fiber: 5 microwatts, 13 dB power budget @820 nanometers (1300nm option)

Receiver Sensitivity: 250 nanowatts at less than 10⁻⁹ bit error rate

Operating Temperature: 0 °C to 50 °C

Input Power: External with Power Supply (S.I. Tech #2121 - 110 VAC to 12 VDC)

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

Metal Enclosure: 1.75" x 3" x 0.625" (4.5 x 7.5 x 1.6 cm)
Panel or DIN rail mounting option

Weight: 0.25 lb (100 grams)

Card Version: 2376 (3000 Rack)

RS - 422 PINS UTILIZED BY 2176 BIT-DRIVER[®] 9 PIN CONNECTOR (FEMALE)

Pin No	Description	Symbol
1	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
10 SM	1.0	7000	23000

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

UL & CSA listed. Meets FCC Requirements of Class A, Part 15 Computing Devices Standard.
Specifications subject to change without notice.



TYPICAL APPLICATION

