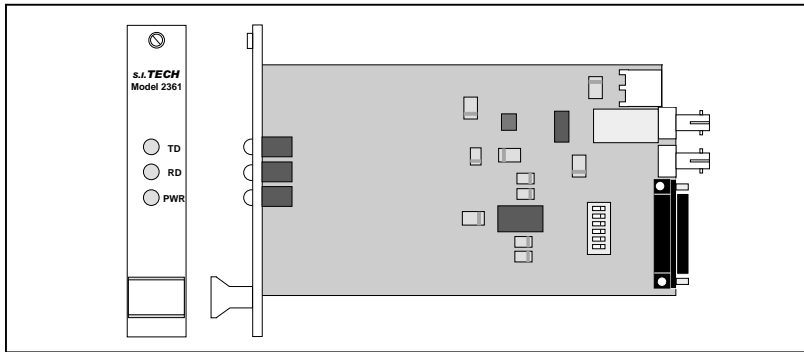


Model 2361



Optical Asynchronous Bit-Driver®



Features:

- Up to 115 Kbps asynchronous operation on fiber optic cable, simplex or full duplex operation
- -40 °C to + 80 °C operating range**
- Metal ST connector receptacle (SMA option)
- LED indicators for power, transmit, and receive data
- Female DB25 connector
- Complies with IEEE C37.90.1
- IEC 801 Surge Protection
- Panel Mounting Brackets, two mounting locations
- Conformal coating
- See distance chart

Operation Mode: Asynchronous, simplex or full duplex

Input/Output Interface: RS-422, DB25F connector

Transmission Line Interface: Metal ST connector is standard for interfacing with fiber optic duplex cable (SMA option, SC and FC option for SM)

Transmission Distance: See Chart

Optical Power into a 62.5 Micron

Core Optical Fiber: 30 microwatts, 10 dB power budget @ 820 nanometers (1300 nm Option)

Receiver Sensitivity: 3 microwatts at less than 10⁻⁹ bit error rate

Operating Temperature: -40 °C to +80 °C for Multimode
-20 °C to +60 °C for Single mode

Humidity: 0 to 90% Non Condensing

Enclosure: 19" Rack holds 16 cards

Card Size: Eurocard 3.9" X 6.8" (9.9 X 7.3 cm)

Weight: 0.5 lb. (200 grams)

Mini Version: S.I.Tech# 2561

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.

Specifications subject to change without notice.



RS - 422 CONNECTOR PINS UTILIZED BY 2561 MINI BIT - DRIVER (FEMALE)

Pin No.	Description	Symbol
1	Protective Ground	Chassis GND
7	Signal Ground	Sig. GND
14	Transmit Data +	T+
15	Transmit Data -	T-
21	Receive Data +	R+
22	Receive Data -	R-

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. SM - Single mode (1300nm) option
Optical unit connection: Connect the optical transmission line to the T and R receptacles. Note which cable channel goes to T or R by noting cable imprint. On the other end, reverse the connection.
** SM - Temperature Rating: -20 °C to +60 °C

