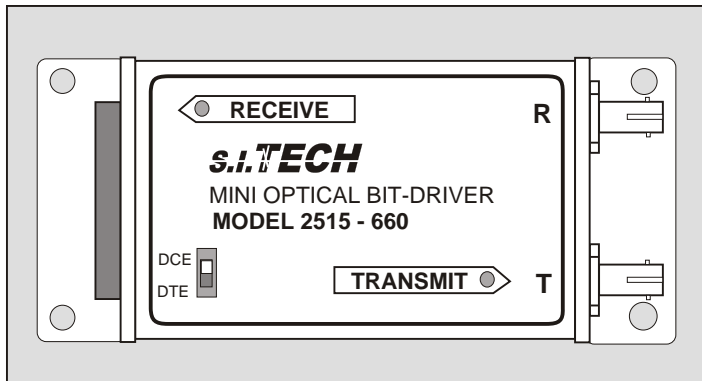


Model 2515 - 660



Optical Asynchronous Mini Bit-Driver



Features:

- 0 to 115 Kbps asynchronous operation on fiber optic cable, simplex or full duplex operation
- 100 meters distance capability
- 0 °C to + 50 °C operating range
- ST connector receptacle (SMA option)
- DTE or DCE switch selectable

RS - 232 CONNECTOR PINS UTILIZED BY 2515 MINI BIT - DRIVER (MALE OR FEMALE)

Pin No.	Description	Symbol	DTE DCE
1	Protective Ground	Chassis Ground	↔
2	Transmitted Data	TXD	→
3	Received Data	RXD	←
4*	Request to Send	RTS	→
5*	Clear to Send	CTS	←
6**	Data Set Ready	DSR	←
7	Signal Ground	Sig. Gnd.	↔
8**	Data Carrier Detect	DCD	←
9	Positive 12 VDC Input	+ 12V	→
20**	Data Terminal Ready	DTR	→

* Pins 4 & 5 tied together

** Pins 6, 8, and 20 tied together

Operation Mode: Asynchronous, simplex or full duplex

Input/Output Interface: RS-232-C, Type D, asynchronous at 0 to 115 Kbps, connects directly to terminal (RS-232 cable not required)

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

Transmission Distance: 330 ft. (100m)

Transmission Enabled by RTS: RTS/CTS delay 0 ms

Power Budget: 10 dB power budget @ 660 nm
0.5 nanowatts at less than 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)
Flange mounting option

Weight: 0.25 lb (100 grams)

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

230V Version: Use S.I.Tech 2164 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
1000	2000	100	330

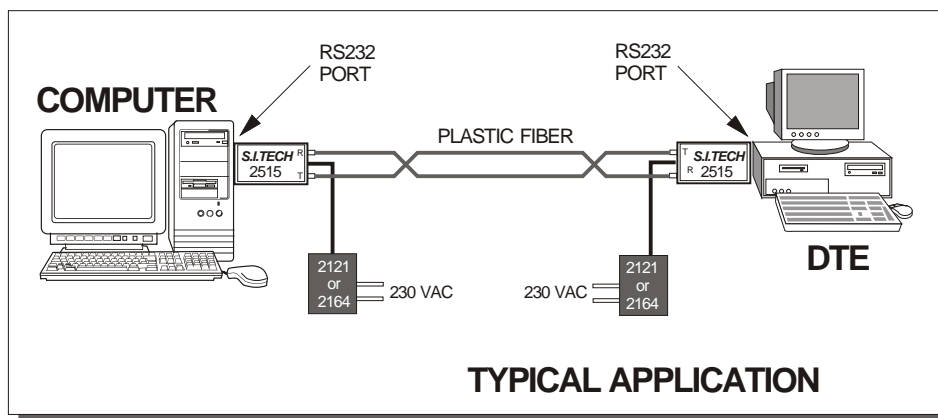
Notes:

2515 is 2505 with mark and space reversed.

2515-MOD: Uses DB-9 Male

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

Specifications subject to change without notice.



RS - 232 CONNECTOR PINS UTILIZED BY 2515 MINI BIT-DRIVER (MALE DB-9)

Pin No.	Description
1	Chassis Ground
2	Received Data
3	Transmitted Data
4*	DTR
5	Signal Ground
6*	DSR
7**	RTS
8**	CTS
9	No Connection

* Pins 4 & 6 tied together

** Pins 7 and 8 tied together