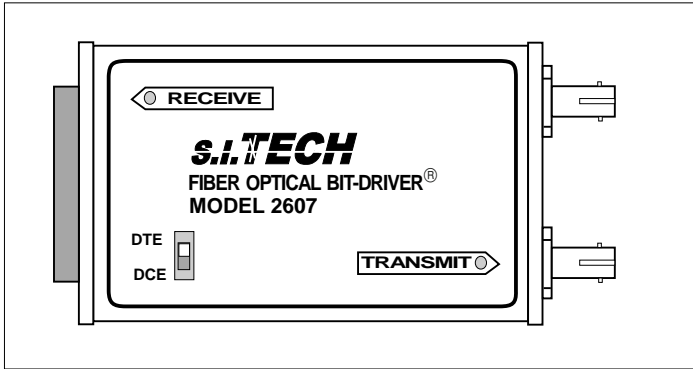


Optical Asynchronous Mini Bit - Driver®



FEATURES

- 40 to 115 Kbps asynchronous operation on fiber optic cable simplex or duplex operation
- Distance capability (See chart)
- -40 °C to +65 °C (-20 to +60 °C - SM) operating range
- ST connector receptacle
- DTE or DCE switch selectable
- Status indicator LEDs: Tx and Rx

RS-232 Connector Pins Utilized by 2607 Mini Bit-Driver (DB25 FEMALE)

Pin No.	Description	Symbol	DTE/DCE
2	Transmit Data	TXD	→
3	Receive Data	RXD	←
*4	Request to Send	RTS	
5	Clear to Send	CTS	
**6	Data Set Ready	DSR	
7	Signal Ground	Sig.Gnd.	
20	Data Terminal Ready	DTR	
25	Optional Power	9-32 VDC	

* Pins connected together (no source/sink)
 ** Pins connected together to internal +12 VDC

Operation Mode: Asynchronous, simplex or full duplex

Input/Output Interface: RS-232-C, Type D Asynchronous 40 to 115 Kbps, connect to Terminal (RS-232 cable not required)

Transmission Line Interface: ST connector is standard for interfacing with fiber optic duplex cable

Optical Power Into a 50 Micron Core Optical Fiber: 10 microwatts, 10 dB power budget @ 850 nanometers (1300nm Option)

Receiver Sensitivity: 1 microwatt at less than 10⁻⁹ bit error rate

Operating Temperature: -40 °C to +65 °C (-20 to +60 °C - SM)

Metal Enclosure: 1.75" X 3" X 0.625" (4.5 X 7.5 X 1.6 cm)

Input Power: 9 - 32 VDC external source
Weight: 0.25 lbs. (100 grams)

OPERATING DISTANCE FOR FIBER OPTIC CABLE

Fiber Size (Microns)	Attenuation dB/Km	Distance Meters	Distance Feet
50	3.0	3500	10000
62.5	4.0	5600	17000
100	5.0	4000	12000
10 SM	1.0	7000	23000

SM - Single mode (1300nm) option

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



TYPICAL APPLICATION

