



480-SL SERIES SINGLEMODE

Multi-Protocol RS485/RS422/RS232/MANCHESTER Data System - Single Channel – Single Fiber

FEATURES:

- ◆ Multi-protocol Data – switch selectable as RS-485 (2 or 4 wire), RS-422, RS-232 or Manchester Code
- ◆ DC to 115 Kb/s
- ◆ Activity Indicators for Data Tx and Rx for each Channel
- ◆ Only One Fiber Required

SPECIFICATIONS:

DATA:

Interface.....Selectable Multi-protocol
Choice of: RS-485 (2 or 4 wire),
RS-422,
RS-232, or
Manchester Code

Format.....Asynchronous
Rate.....DC to 115 Kbit/s
Connector.....Terminal Block

OPTICAL:

Wavelength..... 1310/1550 nm
Source: Laser
Loss Budget (9/125u)..... 18 dB
Connector: SC

POWER:

Voltage 12 VDC
Current 200 mA
Connector..... 2 Pin Terminal Block

Power Supply:

Module 12VDC (AFI Part #: PS-12)
Rack Card (AFI Part #: SR-20/2)

PHYSICAL:

Temperature..... -40 °C to 75 °C
Humidity 5 % to 95 %

Size:

Module 4¼" x 4¼" x 1⅛"
Rack Card - One Slot 6½" x 5" x 1"

5/24/05



The American Fibertek 480 Series transmits and receives one simultaneous channel of data over a single singlemode optical fiber. The system is comprised of two transceivers forming a point-to-point communications link. The system is designed to be completely transparent to data protocol and can be configured as RS-485 (2 wire or 4 wire), RS-422, RS-232 or Manchester Code. For ease of installation, diagnostic indicators provide a quick visual indication of system status.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages; SR-20/2 or SR-20R/1.

ORDERING INFORMATION:

MTX-480SL = One Fiber Module Singlemode SC Connectors 1310nm Tx
MRX-480SL = One Fiber Module Singlemode SC Connectors 1550nm Tx
RTX-480SL = One Fiber Rack Card Singlemode SC Connectors 1310nm Tx
RRX-480SL = One Fiber Rack Card Singlemode SC Connectors 1550nm Tx