



**02C  
Series  
Multimode  
Singlemode**

**Manchester Data System / AD or Bosch Code**

**FEATURES:**

- ◆ AD or Bosch Code
- ◆ LED Diagnostic Indicators
- ◆ Activity Indicators for Data Tx and Rx
- ◆ Singlemode or Multimode Optics

**SPECIFICATIONS:**

Manchester:

Data Rate: .....up to 50 Kb/s  
Connector ..... Terminal Block

**OPTICAL:**

Wavelength: (Multimode) .....  
-850 nm  
-1310 nm

Source: ..... LED  
Loss Budget (62.5/125 u)..... >17 dB  
Connector .....ST

Wavelength: (Singlemode) .....  
-1310 nm

Source: ..... ELED  
Loss Budget (9/125 u)..... >17 dB  
Connector: ..... ST

**POWER:**

Voltage ..... 12 VDC  
Current ..... < 250 mA  
Connector.....2 Pin Terminal Block

**Power Supply:**

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

**PHYSICAL:**

Temperature.....-20 to 70 °C  
Humidity .....5 to 95 %

**Size:**

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



The American Fibertek 02C Series transmits and receives Manchester data on one multimode or singlemode optical fiber. Both AD and Bosch Codes are supported.

The system is designed to be completely transparent to data protocol. 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:**

<b>MT-02C</b>	<b>Transmitter</b>	<b>850 nm Multimode Module</b>
<b>MR-02C</b>	<b>Receiver</b>	<b>850 nm Multimode Module</b>
<b>RT-02C</b>	<b>Transmitter</b>	<b>850 nm Multimode Rack Card</b>
<b>RR-02C</b>	<b>Receiver</b>	<b>850 nm Multimode Rack Card</b>
<b>MT-02C-13</b>	<b>Transmitter</b>	<b>1310 nm Multimode Module</b>
<b>MR-02C-13</b>	<b>Receiver</b>	<b>1310 nm Multimode Module</b>
<b>RT-02C-13</b>	<b>Transmitter</b>	<b>1310 nm Multimode Rack Card</b>
<b>RR-02C-13</b>	<b>Receiver</b>	<b>1310 nm Multimode Rack Card</b>
<b>MT-02C-S</b>	<b>Transmitter</b>	<b>1310 nm Singlemode Module</b>
<b>MR-02C-S</b>	<b>Receiver</b>	<b>1310 nm Singlemode Module</b>
<b>RT-02C -S</b>	<b>Transmitter</b>	<b>1310 nm Singlemode Rack Card</b>
<b>RR-02C-S</b>	<b>Receiver</b>	<b>1310 nm Singlemode Rack Card</b>