

# Single Fiber Bi-directional Transceiver High Performance Dual Channel Audio



**FEATURES:**

- Two Channels of High Performance Bi-directional Audio
- Diagnostics: Power and Optical Presence
- 12 VAC Standard or 12 VDC Option
- No User or Internal Adjustments
- 600 Ohms Balanced or Unbalanced Audio.
- FM Modulated Audio

**SPECIFICATIONS:**

**Audio:**

I/O Level @ 600 Ohms .....	0 dBm
Bandwidth.....	20 Hz to 10 KHz
THD @ 1 KHz.....	1%
SNR.....	70 dB
Connector .....	5 Pin Screw Terminal

**Optical:**

Wavelength .....	850/1300 nm
Loss Budget (62.5/125µ).....	12 dB
Connector.....	ST

**Temperature (Operating):**

-20°C to +70°C, non-condensing

**Power Supply:**

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

**Size:**

Module - 5¼" x 6¼" x 1½"  
Rack Card requires one rack slot - 6½" x 1" x 5"

**ORDERING INFORMATION:**

- MT = Module Transmitter - Audio Input
- MR = Module Receiver - Audio Output
- RT = Rack Card Transmitter - Audio Input
- RR = Rack Card Receiver - Audio Output

**Example: MT-0880FM to RR-0880FM**



The American Fibertek 0880FM Series transmits two channels of high-quality bi-directional audio on one multimode optical fiber. Designed to be completely transparent, this product can be used in intercom Tie-lin applications between exchanges. This system requires no field adjustments at installation or additional maintenance thereafter. 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.

