

FEATURES:

- ◆ 600 Ohm Balanced or Unbalanced Audio
- ◆ Diagnostics: Power and Optical Presence
- ◆ No user or installation adjustments
- ◆ ST Optical Connector

SPECIFICATIONS:

Audio:

I/O Level @ 600 Ω0 dBm (2.2 Vp-p)
 I/O Level Max.....+12 dBm (8.8 Vp-p)
 I/O Impedance 600 Ω
 Bandwidth 20 Hz to 20 kHz
 THD..... 1.0 %
 Signal to Noise.....65 dB
 Connector Terminal Block

Optical:

Multimode

Wavelength 850 nm
 Loss Budget (62.5/125 μm fiber).....20dB
 Connector ST

Singlemode

Wavelength 1310 nm
 Loss Budget (9/125 μm fiber).....21dB
 Connector ST

Environmental

Operating Temp.....-40°C to +75°C
 Storage Temp.....-40°C to +85°C
 Humidity.....0% to 95% (non condensing)
 MTBF.....>100,000 hours

Power Supply:

Included with modules
 Module Transmitter.....24 VAC
 Module Receiver24 VAC
 Rack Card.....(See AFI Part #: SR20/2)

Size:

Rack Card.....5.0" x 6¹/₂" x 1.0"
 Module.....2⁵/₈" x 5³/₄" x 1³/₈"

Ordering information:

Multimode

MT-05B Module Transmitter
 MR-05B Module Receiver
 RT-05B Rack Card Transmitter
 RR-05B Rack Card Receiver

Singlemode

MT-05B-S Module Transmitter
 MR-05B-S Module Receiver
 RT-05B-S Rack Card Transmitter
 RR-05B-S Rack Card Receiver



The American Fibertek 05B Series transmits single direction line level audio, 600 ohms balanced or unbalanced, on one multimode or singlemode fiber. The audio is transmitted over the link using FM modulation which results in an improved signal to noise ratio and a constant audio output level over the full optical loss budget. Diagnostic indicators provide a quick visual check of system status.

Designed to be completely transparent, these links require no field adjustments at installation or additional maintenance thereafter. Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR20/2 or SR-20H-2 (redundant power supplies).

