

4380 SERIES SINGLEMODE



Single Fiber Bi-directional Transceivers Two-Way Video, Two-Way RS232 and Two-Way Audio

FEATURES:

- Two-Way Video, Two Way RS232 and Two-Way Audio Utilizing One Singlemode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- PFM Video Transmission
- 12 VAC Standard
- FM Modulated Audio Signal
- Designed for Teleconferencing
- Full Color Transmission

SPECIFICATIONS:

Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	8 MHz
Differential Gain.....	.3%
Differential Phase.....	2°
SNR.....	63 dB
Connector.....	BNC

Audio:

I/O Level.....	0 dBm
I/O Impedance.....	600 Ohms
Bandwidth.....	20 Hz to 10 KHz
THD @ 1 KHz.....	1%
SNR.....	55 dB
Connector.....	5 pin screw terminal

Data:

Data Rate.....	Up to 19.2 Kbps
Data Connector.....	5 pin screw terminal

Optical:

Wavelength.....	1300/1550 nm
Loss Budget (9/125μ).....	.21 dB
Dynamic Range.....	.21 dB
Connector.....	FC/PC

Temperature (Operating):

-40°C to +75°C, non-condensing

Power Supply:

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

Size:

Dual Carrier Module - 8" x 6½" x 1½"
Rack Card requires two rack slots - 6½" x 2" x 5"

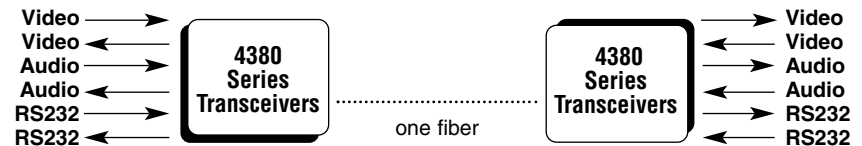
ORDERING INFORMATION:

MT = Module Transmitter - Video Source
MR = Module Receiver - Control Site
RT = Rack Card Transmitter - Video Source
RR = Rack Card Receiver - Control Site

Example: MT-4380 to RR-4380



The American Fibertek 4380 Series transmits high-quality, simultaneous bi-directional video, audio, and RS232 on one singlemode optical fiber. Designed to meet the unique requirements of today's advanced Teleconferencing Systems, these systems require 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.



- **For multimode product equivalent to the 4380 series please see the 2380 series product.**