

Ten Channel AM Fiber Optic System

FEATURES:

- Diagnostics: Power
- Compatible with Standard CATV Modulators & Processors
- Supports Transmission of Sub-Band, Low-Band, & FM Channels
- Complete EMI Immunity
- Wide Bandwidth - 5 MHz to 400 MHz
- Supports Ten Simultaneous Video Channels on Singlemode Fiber
- Test Points Available on Transmitter

SPECIFICATIONS:

RF:

I/O Level	+30 dBmV
I/O Impedance	75 Ohms
Bandwidth	5 MHz to 400 MHz
Carrier to Noise (CNR)	50 dB
Connector	F

Optical:

Wavelength	1300 nm
Loss Budget (9/125μ)	10 dB
Connector	FC/PC

Temperature (Operating):

0°C to +50°C, non-condensing

Power Supply:

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

Size:

Module - 2 1/2" x 5 3/4" x 1 1/16"
Rack Card requires one rack slot - 6 1/2" x 1" x 5"

ORDERING INFORMATION:

MT = Module Transmitter - Signal Source
MR = Module Receiver - Signal Reception
RT = Rack Card Transmitter - Signal Source
RR = Rack Card Receiver - Signal Reception

Example: MT-91SL to RR-91SL



The American Fibertek 91SL Series transmits up to ten (10) high quality CATV channels on one singlemode optical fiber at 1300 nm. Optimum performance is achieved when all channels are located within a single octave of bandwidth. Offering exceptional bandwidth, this system accommodates all sub-band channels, low-band channels, and FM channels (i.e. Channels T-7 to T-13, 2 - 6, & A-5 to A-1), mid-band, high-band and super band. The system is also capable of 6 MHz TV IF and satellite IF (70 MHz) transmissions. 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.

