



**9PXXXC
Series
Singlemode**

Single Fiber 3 Channel Bi-directional Transceiver: Digital 24 Bit Audio or Multi-Protocol Data or Contact Closure

FEATURES:

- 24Bit Digital Audio
- Diagnostics: Audio, Data, Contact, Power & Optical Presence
- Automatic Resettable Fuses on Power Lines

SPECIFICATIONS:

Audio:

I/O Level @ 600 Ohms 0 dBm
Bandwidth 20 Hz to 20 KHz
THD @ 1 KHz 0.1%
SNR 80 dB
Connector Terminal Block

Data :

Interface....
485(2 or 4 Wire)
RS422
RS232
Data Format Asynchronous, Serial
Data Rate DC to 115 Kbs
Connector..... Terminal Block

Contact Closure:

Input..... Switch Closure to Ground
Output Dry Contact
Response Time 2 mS
Max Voltage 100 VDC or Peak AC
Max Current..... 0.5 A
Connector..... Terminal Block

Optical:

Wavelength.....1310 nm
Loss Budget (9/125μ)..... 21 dB
Connector.....FC

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:

Module – 12 VDC (AFI Part # PS-12D-2+)
Rack Card – AFI SR 50/5

Size:

Module -..... 8 1/8" x 4 1/8" x 1 1/8"
Rack Card requires 1 rack slot – 6 1/2" x 1" x 5"

Product Ordering Information:

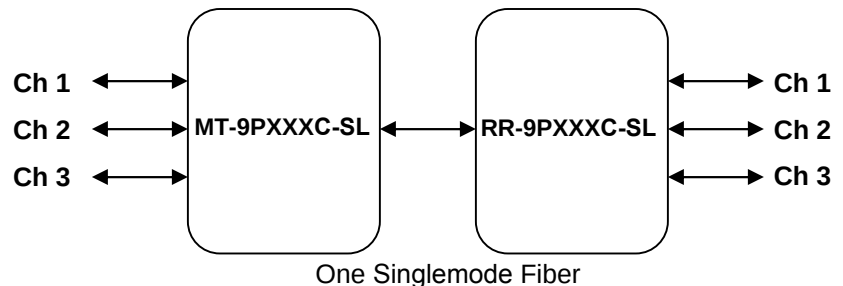
MT-9PXXXC-SL Module Transmitter
MR-9PXXXC-SL Module Receiver
RT-9PXXXC-SL Rack Card Transmitter
RR-9PXXXC-SL Rack Card Receiver
Data X=5
Audio X=8
Contact X=9



The American Fibertek 9PXXXC Series transmits up to 3 channels of either high-quality, state of the art, 24bit digital audio and/or multi-protocol data and/or contact closure channel on one singlemode optical fiber. Any combination of audio, data or contact is available up to 3 channels. This link is capable of providing an optical loss budget of 21dB utilizing 1310nm/1550nm wavelength lasers.

Designed to be completely transparent, 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-50/5 or SR50H/5 (redundant power supply option).



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