



• Specifications

- **Serial Video BNC Input**
- Number of Inputs 1
- Data Rate Range 19.4 Mbps to 2.97Gbps
- Supported Standards: SMPTE 259M, 292, 297-2006, 424m-2006 305M, 310M, 344M,
- DVB-ASI
- Re-clocked Data Rates: 270 Mbps (SMPTE 259M and DVB-ASI-270)
- 1.485 Gbps (SMPTE 292)
- 2.97 Gbps (SMPTE 494m -3G model only)
- Equalization: Automatic up to 100m of Belden1694A at 3.0Gbps, 200 Gbps at 1.485 and 350m at 270 Mbps
- Return Loss > 10dB up to 2.97Gbps **Serial Video BNC Loop-Through Output**

- Number of Loop-throughs 1
- Signal Level 800mV ± 10%

- DC Offset $0V \pm 0.5V$
 - Rise / Fall Time <135 ps at 2.97 Gbps per SMPTE 424m - 3G SDI model only;
 - <270 ps at 1,485 Gbps per SMPTE 292;
 - 0.4 ns to 1.5 ns at 270 Mbps
 - per SMPTE 259M
 - Overshoot <10% of amplitude
 - Timing Jitter <0.2 UI at 270 Mbps; <1.0 UI at 1.485 Gbps; <2.0 UI at 2.97Gbps
 - with color bar signal
 - Alignment Jitter <0.2 UI at 270 Mbps; <0.2 UI at 1.485Gbps; <0.3 UI at 2.97Gbps with color bar signal
 - Re-clocking At 270 Mbps, 1.485Gbps & 2.97 Gbps **Optical Output**
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- SMPTE 297-2006
 - Connector ST / PC (special order SC / PC or FC / PC)
 - Wavelength 1310nm (nominal)
 - Emmitter Type FP Laser
 - Output Power (nominal)



| 800-521-8467 EXT 1 | sales@thorfiber.com

Base Model F-1MSDI-L-2TX / RX support single mode fiber up to 20Km and it has ST / PC connector

F-M1SDI-TR-ET -XX

XX = Optical connector: SC / PC, FC / PC (s price)

F-1MSDI-L-2TX / RX -XX-YY **YY = Fiber optic distance 40,60,80,100,120 (add \$)**

F-1MSDI-L-2TX / RX -XX-YY-ZZ **ZZ = (MM) Multi-mode (SM) Single-mode (S price)**

F-1MSDI-L-2TX / RX -XX-YY-ZZ-3G **3G SDI supprted up to 3Gbps (add \$)**

Product Specifications	
<i>* All Specifiactions Subject to Change Without Notice</i>	
HD-SDI Input	1 HD-SDI, SD-SDI, Bidirectional
	0 - 1.5 Gbps Serial Digital Signal
Number of Input	1 SDI (Bi-directional) 1 RS-485 2 Auxiliary
Signal Level	> 380mVp-p
Impedance	75Ω
Connector	BNC
Distance	20km (40, 60, 100Km Available)
mini box	25 × 116 × 110
Power Supply	130 - 260 VAC @ 50-60 Hz
Power Consumption	<10W
Temperature	0 to +70 Degree
humidity	0 to 95%
Connector	ST / PC or (FC / PC or SC / PC or SC /APC optional)
Optical Channels	1310nm type
RH	Non-condensing
LED Status Indic	

