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Copper SFP HD Video Modules

FiberPlex SFP-BHDV SFP with HD-BNC copper interface for 3G-SDI HD Video



FiberPlex

3G-SDI HD Video SFP

Overview

The SFP-BHDVXC-0000-L is a long-reach electrical Small Form Pluggable (SFP) transceiver module designed with reclockers to transmit and receive SDI signals up to 2.97 Gbps over 75Ω coaxial cables via HD-BNC™ connectors. The cable driver slew rate is automatically configured in order to achieve compliance to SMPTE 424M, SMPTE 292M and SMPTE 259M. The equalizer features DC restoration to compensate for the DC content of SMPTE pathological test patterns. By suppressing accumulated jitter, each reclocker procures optimal input and output jitter performance.

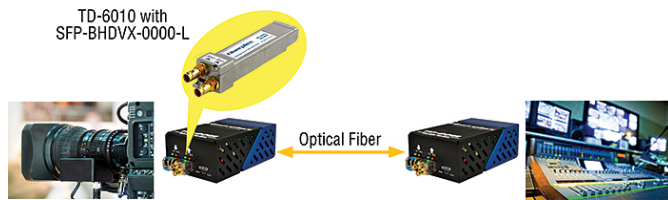
Features

- Compliant with SMPTE 424M, 344M, 292M and 259M
- Supports DVB-ASI at 270 Mbps
- Supports video pathological patterns SD-SDI, HD-SDI and 3G-SDI
- Integrated cable driver (control input signal detection, reclocker rate & lock, voltage and temp, bypass reclocker stage and module info)
- Supports Audio in SDI stream
- HD-BNC™ connectors (750)
- Extended Temperature Range -40°C to 80°C

The SFP-BHDVXC-0000-L provides module identification information and configuration through a two wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance. The SFP-BHDVXC-0000-L is interchangeable with other MSA optical video SFP improving product flexibility. Ganged, belly-to-belly, and superposed SFP cage mountings are supported. The module is SMPTE compliant resulting in reduced development effort and cost.

Applications

Typical Applications include Multi-channel/multi-media transport with the WDM16, Distribution amplifiers, Processing cards, Video routers, Broadcast cameras.



SFP module enclosure options

If you need an enclosure to use with the SFPs, these FiberPlex products are available:



FOI-6010 Fiber Optic Isolator Transceiver Workbox



TD-6010 Throw-Down Workbox



WDM16 16-Channel and WDM8 8-Channel Wavelength Division Multiplexers

Note: If you need an SFP, but do not see what you are looking for, please call +1 301 975 1000.

Specifications

The specifications for this product are contained in the User Manual

Ordering

| # | Model # | Description | Availability |
|----|--------------------|--|----------------------|
| 1 | SFP-BHDVAL-0000-R | SFP, HD-BNC, HD Video (3G) Active Loop Reclocked, Long Reach w/ Reclocking, MSA | Special Order |
| 2 | SFP-BHDVAL-0000-RN | SFP, HD-BNC, HD Video (3G), Single Receiver w/ Active Loopback , Long Reach w/ Reclocking, Non-MSA | General Availability |
| 3 | SFP-BHDVDA-0000-L | SFP, HD-BNC, HD Video (3G) Distribution Amplifier, Long Reach, MSA | Special Order |
| 4 | SFP-BHDVDA-0000-LN | SFP, HD-BNC, HD Video (3G) Distribution Amplifier, Long Reach, Non-MSA | Special Order |
| 5 | SFP-BHDVR2-0000-LN | SFP, HD-BNC, HD Video (3G) Dual Receive, Long Reach, Non-MSA | Special Order |
| 6 | SFP-BHDVR2-0000-MN | SFP, HD-BNC, HD Video (3G), Dual Receive , Medium Reach, Non-MSA | General Availability |
| 7 | SFP-BHDVR2-0000-RN | SFP, HD-BNC, HD Video (3G) Dual Receive, Long Reach w/ Reclocking, Non-MSA | Special Order |
| 8 | SFP-BHDVT2-0000-LN | SFP, HD-BNC, HD Video (3G) Dual Transmit, Long Reach, Non-MSA | Special Order |
| 9 | SFP-BHDVT2-0000-RN | SFP, HD-BNC, HD Video (3G) Dual Transmit, Long Reach w/ Reclocking, Non-MSA | Special Order |
| 10 | SFP-BHDVXC-0000-L | SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach, MSA | General Availability |
| 11 | SFP-BHDVXC-0000-LN | SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach, Non-MSA | Special Order |
| 12 | SFP-BHDVXC-0000-M | SFP, HD-BNC, HD Video (3G), Transceiver , Medium Reach, MSA | General Availability |
| 13 | SFP-BHDVXC-0000-MN | SFP, HD-BNC, HD Video (3G), Transceiver , Medium Reach, Non-MSA | General Availability |
| 14 | SFP-BHDVXC-0000-R | SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach w/ Reclocking, MSA | General Availability |
| 15 | SFP-BHDVXC-0000-RN | SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach w/ Reclocking, Non-MSA | Special Order |
| 16 | SFP-BUDVR2-0000-RN | SFP, HD-BNC, UHD Video (4K), Dual Receive , Long Reach w/ Reclocking, Non-MSA | General Availability |

| | | | |
|----|--------------------|--|----------------------|
| 17 | SFP-BUDVT2-0000-RN | SFP, HD-BNC, UHD Video (4K), Dual Transmit , Long Reach w/ Reclocking, Non-MSA | General Availability |
| 18 | SFP-DHDVDA-0000-LN | SFP, DIN, HD Video (3G), Distribution Amplifier , Long Reach, Non-MSA | General Availability |
| 19 | SFP-DHDVR2-0000-MN | SFP, DIN, HD Video (3G), Dual Receive , Medium Reach, Non-MSA | General Availability |
| 20 | SFP-DHDVXC-0000-M | SFP, DIN, HD Video (3G), Transceiver , Medium Reach, MSA | General Availability |
| 21 | SFP-HHDVR1-0000-MN | SFP, HDMI Type D, HD Video (3G), Single Receive , Medium Reach, Non-MSA | General Availability |
| 22 | SFP-HHDVT1-0000-MN | SFP, HDMI Type D, HD Video (3G), Single Transmit , Medium Reach, Non-MSA | General Availability |
| 23 | SFP-HUDVT1-0000-M | SFP, HDMI Type D, UHD Video (4K), Single Transmit , Medium Reach, MSA | General Availability |
| 24 | SFP-HUDVT1-0000-MN | SFP, HDMI Type D, UHD Video (4K), Single Transmit , Medium Reach, Non-MSA | General Availability |

| Item Number | Item Description | Price |
|---|------------------------------------|--|
| SVC-SmartCare-BH (/support/support.asp) | Premium Support for Business Hours | Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) |
| SVC-SmartCare-24/7 (/support/support.asp) | Premium Support, 24 x 7 Coverage | for availability and pricing. Contact us (/howtobuy/) |
| SVC-SmartAssist-BH (/support/support-professional.asp) | Business Hour Support Services | for availability and pricing. Contact us (/howtobuy/) |
| SVC-SmartAssist-AH (/support/support-professional.asp) | After Hours Support Services | for availability and pricing. Contact us (/howtobuy/) |

| | | |
|--|--------------------------|--|
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| SVC-ENHWAR3 (/support/support-warranty.asp) | 3 Year Enhanced Warranty | Contact us (/howtobuy/) for availability and pricing. |
| SVC-ENHWAR4 (/support/support-warranty.asp) | 4 Year Enhanced Warranty | Contact us (/howtobuy/) for availability and pricing. |
| SVC-ENHWAR5 (/support/support-warranty.asp) | 5 Year Enhanced Warranty | Contact us (/howtobuy/) for availability and pricing. |
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| SVC-EXTWAR4 (/support/support-warranty.asp) | 4 Year Extended Warranty | Contact us (/howtobuy/) for availability and pricing. |
| SVC-EXTWAR5 (/support/support-warranty.asp) | 5 Year Extended Warranty | Contact us (/howtobuy/) for availability and pricing. |

SVC-NETENG-HOUR
(/support/support-
professional.asp)

Network technician hour rate for pre-config services, after hours support, etc.

Contact us
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and pricing.

Backgrounders

FiberPlex Capabilities Guide
(/backgrounders/FiberPlex_Capabilities_Statement.pdf)

October 6, 2017

Data Sheets

FiberPlex SFP BHDVXC (/datasheet/Fiberplex_SFP-BHDVXC-0000-
L_DataSheet_160107.pdf)

January 7, 2016

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-
Availability-Codes.pdf)

April 24, 2015

Product & Solution Guides

FiberPlex Connectivity Product Guide (/guides/07FPC-OV_lo-res.pdf)
Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)

August 24, 2018
November 10, 2010

User Manuals & Configuration Guides

FiberPlex 3Gbps SDI SFP Coaxial Transceiver SFP-BHDVXC-0000-R/SFP-
BHDVXC-0000-L User Manual (/manuals/SFP-
BHDVXC_User_Manual_161020.pdf)

October 26, 2016

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