33-4832 FiberPlex SFP-BHDVT2-0000-LN
33-4833 FiberPlex SFP-BHDVT2-0000-RN

fiberplex TECHNOLOGIES, LLC

3GBPS SDI SFP COAXIAL TRANSMITTERER - LONG REACH WITH RECLOCKERS, Non-MSA, HD-BNC™

Description

The SFP-BHDVT2-0000-LN is a long reach electrical SFP transmitter module designed with reclockers option to transmit SDI signals up to 2.97Gbps 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 SFP-BHDVT2-0000-RN includes r eclocking ciruitry. By suppressing accumulated jitter, each reclocker procures optimal output jitter performance.

The SFP-BHDVT2-0000-LN/RN 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-BHDVT2-0000-LN/RN is interchangeable with other Non-MSA optical video SFP improving product flexibility. Ganged cages, belly-to-belly and superposed cage mountings are supported. The module is SMPTE compliant resulting in reduced development effort and cost.

The SFP-BHDVT2-0000-LN/RN is Pb-free and ROHS compliant.

Summary of Benefits

Flexibility: Build a totally optimized system by mixing electrical and optical video SFP

Cost: Design cost effective system

Modularity: Allow hot scalability and replacement of critical components wherever possible

Density: Highest density ever achieved for standard 75Ω coaxial SDI interface

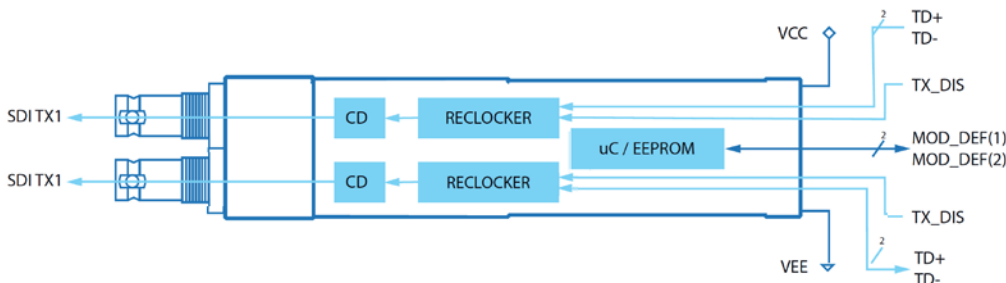**Interchangeable:** Fully compatible with existing Non-MSA video optical SFP

Hot-Pluggable: Swap without affecting system behavior

Advanced Packaging: Support ganged cages, belly-to-belly and superposed cages mounting

Green: The SFP-BHDVT2-0000-LN/RN is Pb-free and ROHS compliant. In addition, it has very low power consumption.

Typical Applications

- Multi-channel/multi-media transport with WDM16
- Distribution amplifiers
- Processing cards
- Video routers
- Broadcast cameras

Video

Features:

- SMPTE 424M, SMPTE 344M, SMPTE 292M and SMPTE 259M compliant
- HD-BNC™ connectors (75Ω)
- Integrated Reclocker and Cable Driver
- Supports DVB-ASI at 270Mb/s
- Supports video pathological patterns for SD-SDI, HD-SDI and 3G-SDI
- Control via serial interface including:
  – Input signal detection
  – Reclocker Rate & Lock
  – Voltage & Temperature Monitoring
  – Bypass Reclocker stage
  – Module Information
- Power Consumption - typical 1216mW
- Single Supply +3.3V 56.6mm x 13.4mm x 8.6mm SFP Package
- Extended Temperature Range -40˚C to 80℃

Used With

Model	Description
313-8001 WDM-16 133-8018 WDM-8	Wave Division Multiplexer
133-4712 TD-6010 133-4713 FOI-6010	#$‡ 9Tbe8WͿ[T^W ;ˋfWͼSUWE8B!E8Bͼ FdSˋeUW͢hVͿͿ ad͢Taj