

# 33-4834 FiberPlex SFP-BHDVR2-0000-LN

# 33-4835 FiberPlex SFP-BHDVR2-0000-RN



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

### Description

The SFP-BHDVR2-0000-LN is a long reach electrical SFP receiver module designed with reclockers option to receive SDI signals up to 2.97Gbps over 75Ω coaxial cables via HD-BNC™ connectors. The equalizer features DC restoration to compensate for the DC content of SMPTE pathological test patterns. The SFP-BHDVR2-0000-RN includes reclocking circuitry. By suppressing accumulated jitter, each reclocker procures optimal input 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-BHDVR2-0000-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

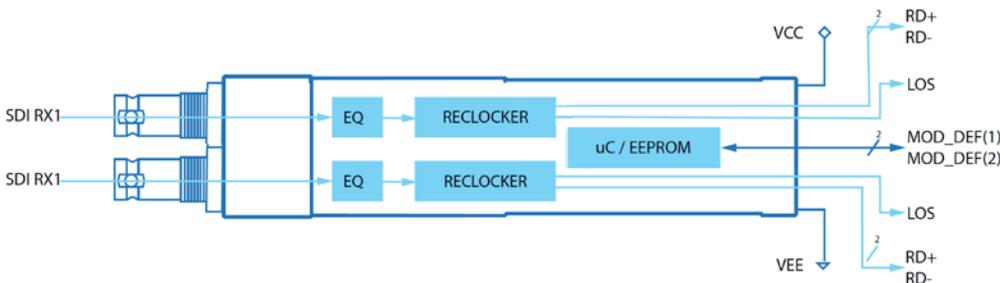
**Hot-Pluggable:** Swap without affecting system behavior

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

**Green:** The SFP-BHDVR2-0000-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 Equalizer:
  - Typical equalized length of Belden 1694A cable: 140m at 2.97Gb/s, 200m at 1.485Gb/s and 400m at 270Mb/s
- 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°C

### Used With

Model	Description
33-8001 WDM-16 33-8018 WDM-8	Wave Division Multiplexer
33-4712 TD-6010 33-4713 FOI-6010	#\$ 9Tbe8WY[TW ; fV0SUNE8B! E8BŁ FcS eU/hVd! adTaj