FiberPlex SFP-BSDVX-0000-L

COMPOSITE CODEC SFP COAXIAL TRANSCEIVER, MSA,HD-BNC™

Description

The SFP-BSDVX-0000-L is an electrical SFP transceiver module designed to encode and decode composite signals over 75Ω coaxial cables via HD-BNC™ connectors.

On the receive channel, the module decodes NTSC/PAL composite inputs and convert to SD-SDI signal.

On the transmit channel, the module encodes the SD-SDI signal to NTSC/PAL composite.

The SFP-BSDVX-0000-L provides module identification information, configuration and diagnostic monitoring through a two wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance.

The SFP-BSDVX-0000-L is interchangeable with other MSA optical video SFP or coaxial SFP improving product flexibility. Ganged cages, belly-to-belly and superposed cages mounting are supported. The module is SMPTE compliant resulting in reduced development effort and cost.

The SFP-BSDVX-0000-L is Pb-free and ROHS compliant.

Summary of Benefits

Flexibility: Build a totally optimized system by mixing electrical SDI, NTSC/PAL converter 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 interfaces combined with converters

Interchangeable: Fully compatible with existing MSA video optical SFP and SDI SFP

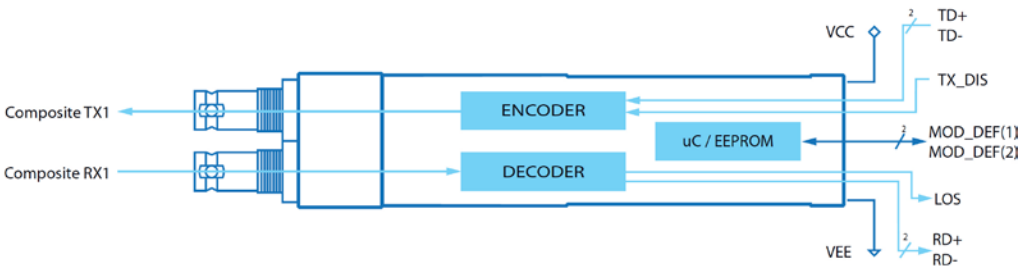
Hot-Pluggable: Swap without affecting system behavior

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

Green: The SFP-BSDVX-0000-L is Pb-free and ROHS compliant

Typical Applications

- Multi-channel/multi-media transport with WDM-16
- Processing cards
- Video routers
- Broadcast cameras



Video

Features:

- SMPTE 259M-C compliant
- HD-BNC™ connectors (75Ω)
- Supported Composite Standards:
  - NTSC M, NTSC J, NTSC 4.43
  - PAL B/G/H/I/D, PAL M, PAL N, PAL 60
- Rx Channel:
  - 10-bit Composite to SD-SDI video decoder
  - 4x Oversampling (54Mhz)
  - Test Pattern Generation
- Tx Channel:
  - SD-SDI to Composite 10-bit video encoder
  - Up to 16x Oversampling (216Mhz)
  - Multiple Chroma & Luma filters
  - Test Pattern Generation
- Control via serial interface including:
  - Voltage & Temperature Monitoring
  - Module Information
  - Analog Status and Control registers
- Low Power Consumption - typical 1100mW
- Single Supply +3.3V
  58.5mm x 13.4mm x 8.6mm
  SFP Package

Used With

Model	Description
WDM-16	Wave Division Multiplexer