

EB30HD1R-LN-AL

3G/HD/SD/ASI video SFP (emSFP), single receiver with Active loopback, non-MSA, HD-BNC

The video SFP (emSFP) EB30HD1R-LNR-AL is a single receiver long reach coaxial video SFP (emSFP) with an active loopback. This SFP (emSFP) is specifically designed to support pathological test patterns.

This SFP (emSFP) is designed to receive one SDI signal (3G/HD/SD-SDI/ASI) over 75ohms coaxial cables via HD-BNC connectors, it transmits a copy of the signal on the other 75ohms coaxial cable.

The equalizer inside this SMPTE compliant video SFP (emSFP) features the DC restoration to compensate for the DC content of the SMPTE pathological test patterns.



ACTIVE LOOPBACK AND DISTRIBUTION AMPLIFIER SOLUTION



FEATURES

- ST424, ST292, ST259 Compliant
- Supports video pathological patterns for 3G-SDI, HD-SDI, SD-SDI
- Control and monitoring via Serial interface:
 - Input Signal Detection
 - Voltage & Temperature Monitoring
 - Module Information
 - IO diagnostic
 - IO Configuration
- Power consumption - TBD mW
- Single Supply +3.3V
- 56.6mm x 13.4mm x 8.6mm SFP package

BENEFITS

- ✓ High-density and future-proof architecture;
- ✓ Monitoring and diagnostics at the edge of your product via serial communication;
- ✓ Saves costs by reducing power consumption and physical space;
- ✓ Accepts any I/O type while keeping your system design budget under control;
- ✓ Reduces development cost and risk;

ORDERING INFORMATION

EB30HD1R-LN-AL Single Receiver with active loopback
[Http://www.embrionix.com/product/family/video-sfp-coaxial](http://www.embrionix.com/product/family/video-sfp-coaxial)

For more information please contact
sales@embrionix.com

SINGLE RECEIVER WITH ACTIVE LOOPBACK

