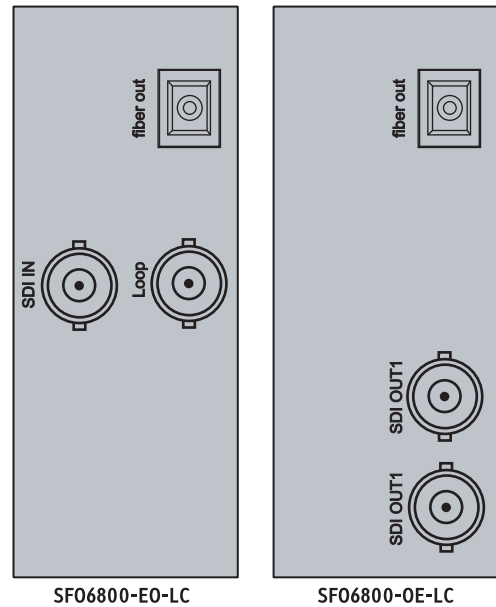


SFO6800-EO/OE-LC

The SFO6800-EO/OE-LC is a high-speed optical transmission module, which converts 1ch SDI/ASI (TS stream) signal to 1ch FMTS optical signal with high-precision RCR rectification, and this signal will be transmitted to the receiving ends of the transmission module with fiber optical cables in great distances; the FMTS optical signal in the receiving ends of SFO6800-EO-LC will be outputs as SDI/ASI signal with high-precision RCR rectification. This module features full digital, real-time, delay-less and high speed transmission, the transmission distance can reach about 100km, and the quality meets broadcast standards. It is mainly applied to internal playout of TV stations, studios, programming, CATV front-end and other distance transmissions.



Features

- Compatible with SDI and ASI signal
- Auto sensing of SD-SDI and ASI signal
- Supports SMPTE259M, SMPTE297M, SMPTE310 and SMPTE305
- 12 bit signal precision
- Auto sensing of SDI143, SDI177 and SDI270Mbps
- High-precision PCR correction, average PCR jitter within 20-60ns
- Output optical power of transmitter is 0 to -14dBm(Auto-sensing)

Specifications

Video Characteristics

Channel No.: 1Ch
 Signal Format: SMPTE292, SMPTE259M, SMPTE305 and SMPTE310
 Data Rate: 19.4M—270M Gbps
 Resistance: 75Ω
 Return Loss: >15dB@1GHz
 SDI Signal Level: 800mV

Optical Characteristics

Wavelength (Input/output): 1310/1550nm
 Transmit Power: -3dBm
 Broadband Spectral: 3nm
 Received Power (Min): -30dBm
 Received Power (Max): -23dBm
 Baud Rate (Positive): 270M Gbps

Interface

Video: BNC
 Optical: FC/ST/SC

Environment Characteristics

Working Temperature: -20 C to +70 C
 Storage Temperature: -30 C to +80 C
 Humidity: 0% to 90%
 Induction: EN50130-5

Electromagnetic Compatibility

Radiation: EN50081-1, EN55022-B, CE, FCC
 Magnetic Susceptibility: EN50130-4, EN50082-1

*Specifications are subject to change without notice.

Ordering Information

SFO6800-EO/OE-LC (40km)

SD-SDI Optical Transmitter/Receiver--- Unidirectional