High Power CATV Amplifier (16x21dBm)

The LiComm OFA-HCS-2116-2R is an integrated amplifier module with 16 ports and 21dBm per port. **It is based on YEDFA (Ytterbium Erbium co-Doped Fiber Amplifier) technology using DC (Double Clad) fiber structure for effective pump LD coupling.** There is an integrated power supply in a shelf type case. It has been designed to use in CATV application or the passive optical network (PON) that requires stand-alone operation. The OFA-HCS-2116-2R provides very stable optical outputs over a wide operating temperature range, with low power consumption. The optical performance is enhanced by input and output isolators for system stability and optimum performance.

It incorporates electrical control circuitry with a DSP. This includes photodiodes for monitoring the optical input and the output power through tap couplers.

The OFA-HCS-2116-2R offers versatile functions. The status of amplifier can be monitored by the LCD in front-side panel and the amplifier can be operated by front buttons. The amplifier also can be monitored and controlled via SNMP.

Features:

- very high output power
- low noise figure
- Automatic Power Control (APC)
- Automatic Gain Control (AGC)

Applications:

- Narrow band amplification in PON and FTTH
- Booster/Line/Pre amplifier
- CATV network
- Metropolitan area network

Broadband Lightsource

The LiComm BLS series is ASE (Amplified Spontaneous Emission) source of optical fiber amplifier, offering high output power (up to 13dBm), excellent output power stability (0.02dB), and wide flat wavelength spectrum. Based on wavelength spectrum, C-band, L-band, or C+L-band BLS is available. One of the key applications is characterization of passive optical components, leading to production capacity increase due to fast characterization time.

Features:

- High output power
- Stable spectral output power
- Wide wavelength range
- Control & monitor with RS232 or SNMP
- User-friendly operation

Applications:

- DWDM components spectral test
- Optical components test
- Optical fiber characterization
- DWDM-PON system
- Optical sensors