

# EDFA – 1550nm



**Sharp Vision EDFA** is a **Erbium Doped Fiber Amplifier** with a difference. It not only amplifies the 1550nm CATV Fiber Optic Signal, but also keeps the C/N, CSO, CTB & Picture Quality at original levels for long-haul transmission. It incorporates Software Programmed Microcontroller & a Thermo Electric Cooler to control all parameters of Pump Lasers' Power, Temperature and Bias Current for their longer life.



## Features:

- Highly Efficient Pump Lasers
- Excellent C/N, CSO & CTB
- Optic I/P Range: -3 ~ +10dBm
- Various Optic Output Power Options
- Isolators at both I/P and O/P Ends
- Microprocessor Controls Pump Lasers
- Front Panel Display for all parameters
- High Gain and High Power
- Low Noise and Low Local Radiation

**High Quality  
& Fresh  
Pump Lasers  
for Long Life**

## Specifications:

- Wave Length Range : 1535 ~ 1565nm
- Optical Input Power : -5dBm ~ +5dBm
- Optical O/P Power : 2 or 4 Ports with 13dBm each
- Noise Figure :  $\leq 5.0$  (Optical I/P Power: 0dBm)
- Optical Connectors : SC/APC
- Mains Power (SMPS) : 110 ~ 260 VAC, 50Hz, 50W Max



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# Installation Guidance for 1550nm Transmitter and EDFA

