

# Externally modulated Optic Transmitter 1550nm



**Sharp Vision External Modulated 1550nm Optic transmitter** incorporates high precision 1550nm DFB Laser Diode, which is modulated by Mach Zehnder Modulator Technology. Sharp Vision Transmitter uses Advanced Optical Linearization Technology to provide low noise, distortion free 1550nm optic output. It is used in conjunction with Sharp Vision EDFA 1550 for long distance transmission.

**Sharp Vision Transmitters** incorporate automatic power control coupled with temperature stabilization provided by a thermo electric cooler which ensures maximum performance and longer laser module life.



## Features:

- AGC & High Linearity
- Low dispersion
- Slope Correction Circuit
- SBS suppression up to +16 dBm
- Excellent C/N, CSO & CTB
- High Quality DFB Fresh Laser
- Displays all Critical Parameters
- Advanced RF Pre-distortion Circuit
- Optic Output 2 Ports of 8dBm each
- Optimum to transport Analog / Digital Signals
- Microprocessor Controls Laser & RF Parameters

**Incorporates  
Precision 1550nm Laser  
with SBS Control Circuit**

## Specifications:

- Optical Wave Length : 1550nm
- Optical Output Power : 8 dBm X 2 Ports
- SBS Suppression :  $\leq 16$  dBm
- Optical O/P Connector : SC/APC
- Freq. Range : 47 ~ 860MHz
- RF Input Level : 75 ~ 85dB $\mu$ V
- CNR :  $\geq 54$ dB
- CSO :  $\leq -67$ dB
- CTB :  $\leq -67$ dB
- Mains Supply (SMPS) : 150 ~ 260VAC, 50Hz



An International Quality Product from **ANALOG SYSTEMS**  
[www.sharpvisiononline.com](http://www.sharpvisiononline.com)

# Installation Guidance for 1550nm Transmitter and EDFA

