

Fiber Optic Transmitter

1310nm

Sharp Vision Optic transmitters are based on DFB Technology for transmission of optical signal at 1310nm for Multi Channel CATV Transmission. They are most suitable for HFC networks as they economize & optimize the Broad Band Network and increase reliability and stability.

The DFB technology along with RF pre-distortion circuit have been incorporated to achieve excellent C/N performance - A necessity for Cable TV Network.

Sharp Vision transmitters utilize the expertise of Ortel (USA) who are world renowned in the field of optical transmission & reception technology. 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:

- Self Protecting
- AGC & High Linearity
- Slope Correction Circuit
- Excellent C/N, CSO & CTB
- High Quality DFB Fresh Laser
- Displays all Critical Parameters
- Advanced RF Pre-distortion Circuit
- Microprocessor Controls Laser Parameters
- Optic O/P Power: 1310nm : 6dBm~14dBm


1310nm

6 / 12 / 13 / 14 dBm

Specifications:

- Optical Wave Length : 1310nm
- Optical Output Power : 6 / 12 / 13 / 14 dBm
- Optical O/P Connector: SC/APC
- Freq. Range : 47 ~ 860MHz
- RF Input Level : 75 ~ 85dB μ V
- CNR : \geq 54dB
- CSO : \leq -67dB
- CTB : \leq -67dB
- Mains Supply (SMPS) : 110 ~ 260VAC, 50Hz, 45W Max.

Comparison Chart of Other Brands & Sharp Vision Optic Transmitters

Other Brands	Sharp Vision
<ol style="list-style-type: none"> 1. Design: Mostly contains One Single Big PCB Board for RF, Laser & Microcontroller Circuit. 2. Maintenance / Service is not easy. 3. Usually No Warranty 4. After the warranty, transmitter can not be repaired as neither the software is available nor the components 5. Double SMPS because of poor reliability – More Power Consumption – More Heat – Degradation of Components 6. Lasers – Mostly refurbished Lasers are used with less life and low reliability 	<ol style="list-style-type: none"> 1. Design: Separate PCB Boards for RF Circuit, Laser Circuit & Microcontroller Circuit. 2. Maintenance / Service is easy because the individual cards can be replaced by dealers / distributors. 3. Warranty of Six months 4. Even after many years of working, Sharp Vision transmitters can be repaired as software and components will always be available 5. Single SMPS – Designed as per Indian Conditions – Less Power Consumption – Less Heat – More Life for Components 6. Fresh Lasers as per our specifications are used for long life and reliability 