

### Overviews

HD1500E is a high performance external modulation 1550nm optical transmitter with LiNbO3 external modulation and a high power , low noise DFB laser . It adopts a series of unique innovation technique to reach the excellent system control . With 47~862MHz bandwidth, SBS is 13,16,18, suitable for different types of CATV .



### Feature

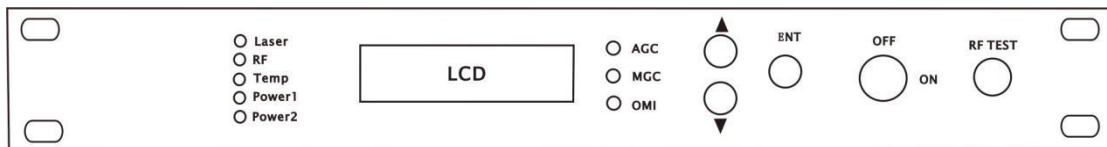
- Low chirp, high linearity DFB laser, chirp compensation.
- Full-automatic OMI control, AGC & MGC.
- Dual module RF driver , high efficient laser pre-distortion adjustment.
- Intuitionistic modulation select display. Built-in dual back-up power supply, switch automatically .
- Casing temperature auto-control, ensure the long life of the laser.
- Both the external modulator and laser are imported from the United States or Japan.
- Perfect pre-distortion circuit ensures the best CTB and CSO when the CNR is in high standard.
- Perfect SBS suppress circuit and adjustable SBS in 13,16, 18, suitable for different types of CATV net.
- Internal double power which can be changed automatically.
- Automatically shell temperature control.
- The transmitter provides RJ45 and RS232 standard interface for Internal microprocessor software has the function of laser monitoring, parameter display, fault warning, net management and so on. Once the working parameter of the laser goes out of the fixed value of the software, the machine will warn.

### Specification

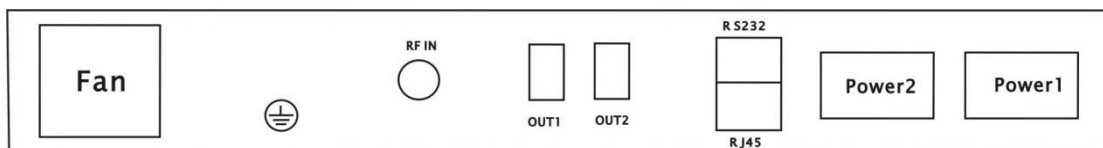
Parameter	Index	Remarks
<b>Optical Parameters</b>		
Wavelength	nm	1550±20
Output power	dBm	1×5,1×6,1*7,1×10,2×6,2×7,2×8,2*9,2×10
Optical return loss	dB	≥60
Connector type		SC/APC or FC/APC

RF parameters		
bandwidth	MHz	47~1002
Input level	dBuV	75~85
Flatness	dB	≤ ±0.75
Return loss	dB	≥16
Input impedance	Ω	75
Link Parameters		
No. of Test Channels		PAL-D/59CH
CNR	dB	≥51 (65Km fiber, Receive0dBm)
CTB	dB	≥65
CSO	dB	≥65
SBS	dBm	13,16,18
General Parameters		
Net interface		RJ45, R232
Power	V	90~265V or -48VDC
Power loss	W	≤50
Working Temp	° C	-5~+65
Storage Temp	° C	-40~+85
Working relative Temp	° C	20%~85%

### Front Side



### Back side



### Safety Precautions

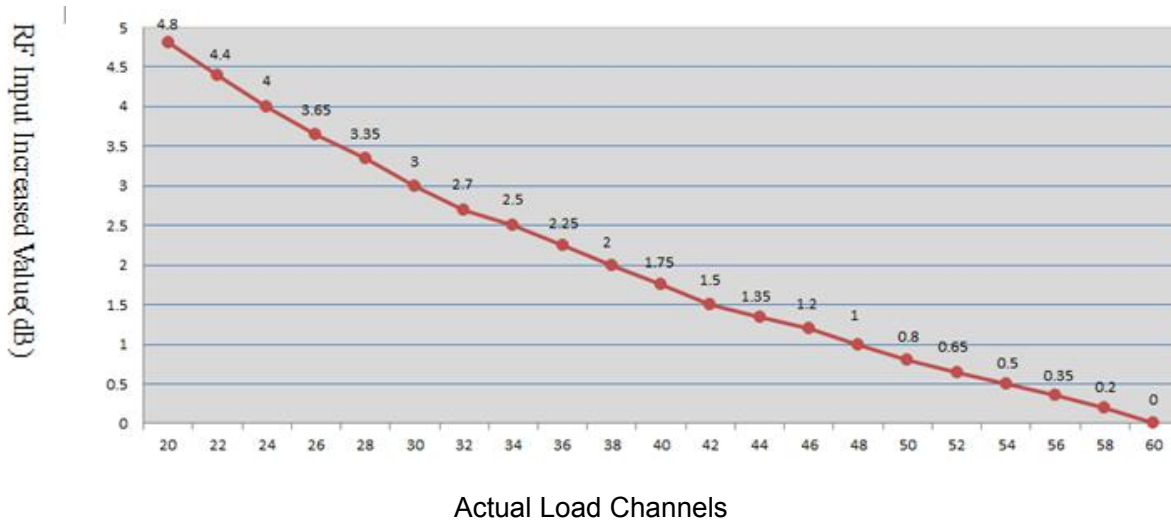



CAUTIONS





TO ENSURE THE SAFE OPERATION OF OLT-1550 SERIES TRANSMITTERS, PAY MORE ATTENTION TO THE FOLLOWING SYMBOLS BEFORE PROCEEDING WITH ANY PART OF TRANSMITTER

### RF Input Increased Value/Actual Load Channels



### Support Web information



## SNMP Agent WEB Manager

- Device Status
- Device Settings
- Alarm Status
- Alarm Properties
- Network Settings
- Change Password
- Reset Settings

Device Status

Device Model	Optical Transmitter
Serial Number	200620103375
Device Version	1.9.3
Unit Temperature	33.0 °C
Input RF Level	66.0 dBuV
Laser Driver Level	78.0 dBuV
Laser Status	ON
Laser Wavelen	1555.75 nm
Laser Output	4.3 mW
Laser BIAS	39.0 mA
Laser TEMP	23.8 °C
Laser TEC	0.029 A
DC Power +3.3V	3.3 V
Power Supply 1	Normal
Power Supply 2	Fault

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Our QC team do second test for every OT



We produce a wide selection of network equipment under HONDAO brand . Gather thousands of products ,which are supplier to customs of differnt filed and different requirement . QC team test all goods before shipment . We screen the Chinese supplier in a search of the most efficient product solutions available to satisfy your individual needs.