

DT1550

dibsys

Direct-modulation Catv Optical Transmitter



DT1550 series direct-modulation optical transmitters are new high-performance optical transmitters. The transmitter is 1U high and can be easily mounted on a 19" rack. The main components are AOI, XT, JDUS, Fujitsu, MITSUBISHI DFB low noise, continuous wave lasers with thermoelectric coolers.

The key components are international brands. And our company's system optimization control technology, SMNP network control technology, so that the entire machine's technical performance indicators fully meet the standards of similar imported equipment, for cable television and telephone communications, providing high-quality image, digital or compressed digital signals long-distance transmission.

Features

- **High quality:** The original system optimization control technology and RF predistortion technology achieve the maximum CTB, CSO and SBS indicators while ensuring excellent CNR performance.
- **Flexibility:** The laser emission and RF processing circuit adopts a modular design method, which greatly facilitates the after-sales service of products and import declaration procedures of foreign merchants.
- **Reliability:** Using 19" 1U standard rack, built-in high-performance dual-switch power supply, can work in the hot backup of 85 ~ 265Vac city network voltage, MS-level automatic switch; chassis heat dissipation can be automatic temperature control.
- **Intuitiveness:** The laser is the most expensive device in the machine. The machine has a microprocessor to monitor the working status of the laser. The operating parameters are displayed on the LCD window of the panel.
- **Network management type:** The option-type state monitoring transponder guarantees to meet the national standard and is compatible with the SCTE HMS standard, and can realize the network management monitoring function.
- **Power plug-in type:** It adopts aluminum structure plug-in switching power supply, which is good for heat dissipation and replacement. And dual power hot and cold backup.

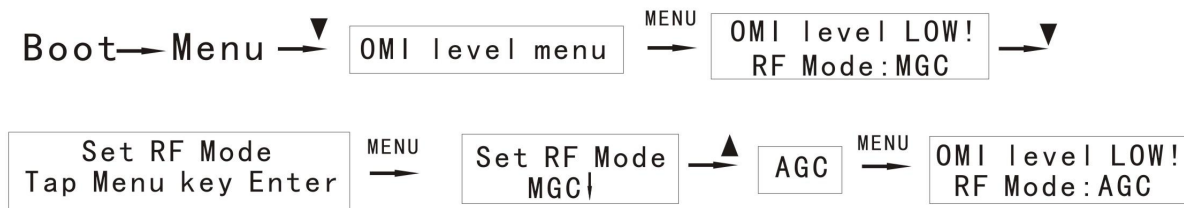
Main Specifications

No.	Item	Unit	Performance Parameter	Remarks
1	Laser model		DT1550	See specifications
2	Light wavelength	nm	1310±10/1550±10	If deviation from the wavelength before ordering
3	Optical modulation		Intensity modulation	
4	Optical output power	dBm		See specifications
5	Optical connector		FC/APC OR SC/APC	Before ordering
6	Frequency Range	MHz	47~750 (862)	
7	Carrier to noise ratio	dB	≥52.0	GY/T143-2000 6.2.3.5
8	flatness	dB	±0.75	GY/T143-2000 6.2.4
9	RF input signal level	dBuV	75~85	AGC automatic control
10	C/CTB	dB	≥65.0	GY/T143-2000 6.2.5
11	C/CSO	dB	≥65.0	GY/T143-2000 6.2.6
12	RF input impedance	Ω	75	
13	RF input reflection loss	dB	>16(47~550)MHz >14 (550~862)MHz	GB/T11381.1
14	powered by	V	90~265 Mains	4.2.2.2.5
15	Power consumption	W	≤50	
16	power supply			Single-supply operation
17	Operating temperature	℃	0~50	dual power backup
18	Storage temperature	℃	-20~85	
19	Relative humidity	%	20%~85%	
20	Size	"	19"×11"×1.75"	(W)x (D) x (H)
21	SNMP		RJ45	

MGC/AGC switching menu

1、 From MGC to AGC

(current status of panel display: MGC $\Rightarrow$ green AGC $\Rightarrow$ red)

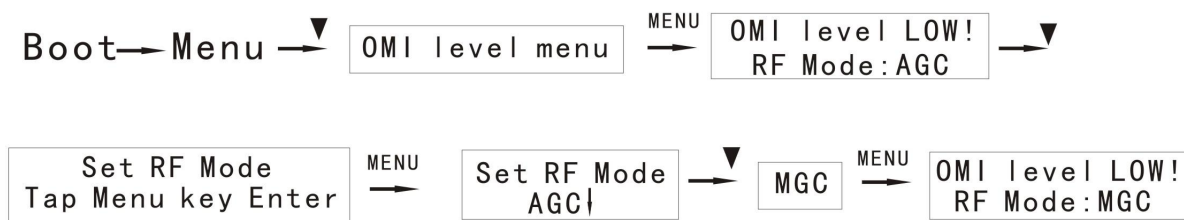


MGC light turns red

AGC light turns green

1、 From AGC to MGC

(current status of panel display: AGC $\Rightarrow$ green MGC $\Rightarrow$ red)



AGC light turns red

MGC light turns green