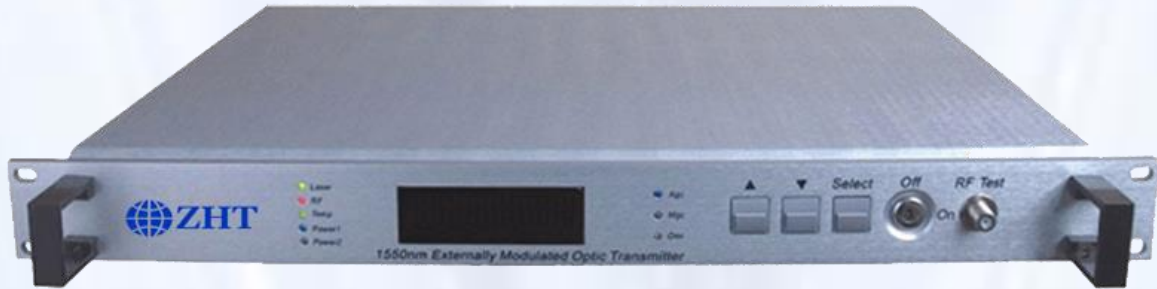


OTE1500 1550nm Broadband External Modulation Optical Transmitter

MODEL: OTE-1500



Product description

- The frequency of 1550nm broadband external modulation optical transmitter is 47 ~ 270MHz, 47 ~ 862M for cable TV, 950 ~ 2700MHz for micro-wave signal such as radio frequency, satellite and MMDS.
- Mixed input and separate input for the user's choice. Mix model means the cable TV and radio frequency share one input, separate means the two input separately.
- 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.
- AGC and MGC control.
- Internal double power which can be switched automatically.
- Automatically shell temperature control.
- 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.
- The transmitter provides RS232 standard interface for local management.
- The transmitter provides RJ45 standard interface for remote management.

Technical parameters

Items	Parameters	Remarks	
Optical Parameter	Wavelength(nm)	1550±10	
	Laser Type	DFB	
	Modulation	External Modulation	
	Output(dBm)	2×7	1*5/1*6/1*7/1*8/1*9/2*5/2*6/2*7/2*8/2*9/2*10 (Can chosen)
	Modulation Depth		
	Optical Return Loss(dB)	≥60	
	Fiber Connector	FC/APC	Or SC/APC
RF Parameters	Bandwidth(MHz)		
	Input Level(dBμV)	80±5	AGC
	Flatness(dB)	≤±0.75	45 ~ 862MHz
	Return Loss (dB)	≥16	45 ~ 862MHz
	Input Impedance(Ω)	75	
Link Parameters	Channels	PAL-D/98ch	
	CNR(dB)	≥52	

	CTB(dB)	≥65	
	CSO(dB)	≥65	
	SBS(dBm)	≥16.0	13 / 16 / 18 Can chosen
General Parameters	Net Interface	RJ45 / RS232	
	Power Supply(V)	90 ~ 265VAC	Or -48VDC
	Power Consumption(W)	≤50	
	Working Temp(°C)	-20 ~ 85	Automatically shell temp control.
	Relative Humidity	20% ~ 85%	
	Size(")	19"* 11"* 1.75"	483(W)*381(L)*44H)
	Weight(Kg)	5.0	

Due to continuous improvement, all products specifications are subject to change without further notice.
 Contact us for custom requirements. E-mail: Sales@zhtelecomm.com Website: www.zhtelecomm.com
 Tel: +86-01081593787 Fax: +86-01081593789