

OTE1500 1550nm External Modulation Optical Transmitter(Wavelength Adjustable)

MODEL: OTE-1500



Product description

- OTE1500 1550nm External Modulation Optical Transmitter (Wavelength Adjustable) is mainly applied in WSM system, Optical Insertion, the upgrade and extension of modulation and networks. The range is $\pm 1.6\text{nm}$, to 64 steps, each 0.05nm .
- Output from $3\text{dBm} \sim 10\text{dBm}$, and single or dual out for the user's choice.
- 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.
- SNMP management system.
- The transmitter provides RJ45 and RS232 standard interface for the connecting the computer and monitoring.

Technical parameters

Items	Parameters	Remarks	
Optical Parameter	Wavelength(nm)		
	Wavelength Adjustment Range	$\pm 1.6\text{nm}$	Stepping:0.05nm
	Laser Type	DFB	
	Modulation Way	External Modulation	
	Output Power(dBm)	2*7	Or 1*5/1*6/1*7/1*8/1*9/2*5/2*6/2*7/2*8/2*9/2*10
	Optical Modulation Depth		
	Optical Return Loss(dB)	≥ 60	
	Connector Type	FC/APC	Or SC/APC
RF Parameters	Bandwidth(MHz)		
	Input Level(dB μ V)	80 ± 5	AGC
	Flatness(dB)	$\leq \pm 0.75$	45 ~ 862MHz
	Return Loss (dB)	≥ 16	45 ~ 862MHz
	Input Impedance(Ω)	75	
Link	CNR(dB)	≥ 52	65Km fiber, Receive

Parameters			0dBm
	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(°)	-20 ~ 85	Automatically shell temp control.
	Working Relative Temp	20% ~ 85%	
	Size(")	19"*11"*1.75"	483(W)*381(L)*44(H)
	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