

OTE-OT-001 1550nm Optical Transmitter

MODEL: OTE-OT-001



Product description

- Laser and external modulator imported from America or Japan.
- Excellent pre-distortion circuit design, it have perfect CTB and CSO before reach high standard CNR
- SBS suppression circuit, adjustable SBS threshold with 13, 16, 18 to meet different network requirement.
- AGC, it make different RF input level of the output performance can be maintained.
- Humanized display of using time, temperature, voltage, optical power and failure warning
- Built-in sound control circuit and a microcomputer automatically embedded blue front panel LCD display, accurate real-time monitoring laser output power and a variety of working conditions, ensure a stable output power.
- Excellent ability of multistage lightning protection, automatic temperature control and automatic power switching, ensure long-time stable and continuous working in an adverse environment.
- Beautiful 19-inch standard rack case, the structure of scientific and reasonable process, excellent overall performance indicators is an essential pre-amplifier for all CATV engine room.
- Intelligent: RG-45 Ethernet interface is optional, for implementing a monitor system under (GB/T 20030—2005 Specification of Equipment Management System of HFC Network).

Technical parameters

Items	Units	Technical Parameter
Wavelength of Laser	(nm)	1548~1563
SMSR	(dB)	≥45 SMSR
Noise Equivalent Intensity	(dB/Hz)	≤-160 RIN (20~1000MHz)
Output power	(dBm)	2x5 2x7 2x6 2x9 2x10Optional
Return Loss	(dB)	≥50
Optical fiber connector		FC/APC SC/APC LC/APC (optional)
Operating bandwidth	(MHz)	47~862
RF Input level	(dBmV)	18~28 AGC
Flatness In Band	(dB)	≤±0.75
Return Loss	(dB)	>15
RF Input Impedance	(Ω)	75

RF connector		Metric or British F connector	
Test Channel		PAL-D/60CH	PAL-D/99CH
CNR1	(dB)	≥53	≥51.5
CNR2	(dB)	≥51.5	≥49.5
CTB	(dB)	≤-65	≤-65
CSO	(dB)	≤-65	≤-65
SBS threshold	(dBm)	13, 16, 18 (adjustable)	
Power supply	(VAC)	90~265	
Power Consumption	(W)	50	
Working Temperature	(°C)	-20~+50	
Store Temperature	(°C)	-30~+70	
Size	(mm)	482x340x45 L x W x H	

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