

## OTE-OT-002 1310nm Optical Transmitter

### MODEL: OTE-OT-002



#### Product description

- AOI, FUJITSU, ORTEL DFB laser
- APC and ATC
- AGC, it make different RF input level of the output performance can be maintained.
- RF input level digital display, easy to debug and use.
- 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	Remarks
Wavelength of Laser	(nm)	1310±10	
Output power	(mW)	4~30	
Return Loss	(dB)	≥55	
Optical fiber connector		FC/APC	SC/APC(optional)
Operating bandwidth	(MHz)	45~862	
RF Input level	(dBmV)	15~25	AGC
Flatness In Band	(dB)	≤ ±0.75	
Return Loss	(dB)	>16	
RF Input Impedance	(Ω)	75	RF/INPUT
RF connector		F-type	British
Test Channel		PAL-D/60CH	NTSC/80CH
CNR	(dB)	≥52	receive by 10KM optical fiber,-1dBm

CTB	(dB)	≤-70	
CSO	(dB)	≤-63	
Power	(V)	90~265VAC	-48VDC(30~60VDC)(optional)
Power Consumption	(W)	≤50	Power: single-supply
Working Temperature	(°C)	-20~+50	automatic temperature control
Store Temperature	(°C)	-30~+70	
Size	(mm)	482x340x45	L x W x H
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Return Loss	(dB)	≥55	

Due to continuous improvement, all products specifications are subject to change without further notice.  
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