

## Features

- ◇ Intensity modulation, high quality DFB
- ◇ Microprocessor automatic control circuit
- ◇ Pre-distortion circuit
- ◇ Low noise, high power and excellent reliability
- ◇ Adopt AGC/MGC circuit
- ◇ Output optical power 4~26mW
- ◇ VFD, 19" 1U standard framework, RS-485 RS-232 port
- ◇ ORTEL , AOI, XESTON brand DFB laser



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## Description

OT1310-xx 1310nm direct modulation optical transmitter, adopts high linearity DFB laser of famous brand in the world, and builds-in perfect pre-distortion adjustment circuit and laser APC, ATC closed loop control circuit. All the operating parameters are controlled by microprocessor, and the LCD screen on the front panel can display relative operating status and the fault information. Optical transmitter is designed and produced by absorbing the advantages of all kinds of 1310nm transmitter from both home and abroad. Featured with high index, multi-function and high reliability, it is suitable for high-end subscribers application.

## Parameter

Item	Specification										
	4mW	6mW	8mW	10mW	12mW	14mW	16mW	18mW	20mW	22mW	
Output power	4mW	6mW	8mW	10mW	12mW	14mW	16mW	18mW	20mW	22mW	
Optical Circuit loss	7dB	9 dB	10dB	11 dB	11.8dB	12.5dB	13 dB	13.6dB	14 dB	14.4dB	
Optical wavelength	1310±20nm										
Laser type	DFB laser										
Optical modulation mode	Direct optical strength modulation										
Connector type	FC/APC OR SC/APC										
Optical reflecting loss	> 45dB										
Frequency range	47 ~ 750/862MHz										
RF input level	72 ~ 88dBuV										
Flatness in band	±0.75dB										
RF input impedance	75Ω										
Input reflecting loss	≥16dB										
C/N	≥51dB										
C/CTB	≥65dB										



## 1310 Optical Transmitter

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C/CSO	≥60dB
AGC control range	± 8dB
MGC control range	± 8dB
Supply voltage	AC 160V ~ 250V (50 Hz)
Consumption	30W
Working temperature	-10 ~ +45°C
Storage temperature	-30 ~ +70°C
Relative humidity	Max 95% no condensation
Dimension	483× 340× 44mm

### Applications

- ◇ HFC/CATV network