

## OT31 OPTICAL TRANSMITTER (1310nm)

### Features

- 45~750MHz (or 862MHz) bandwidth, allow condensed analog and digital signals to be transmitted in a single fiber at the same time
- RF supervisor on each board, convenient to use
- Display the working parameters with VFD on front panel
- Output power from 4mW to 20mW
- High reliability

### Applications

- CATV network



### Specifications

Parameter	Specification	Unit
Optical Performance		
Operating Wavelength Range	1310±10	nm
Output Power	4/6/8/10/12/14/16/20	mW
Return Loss	Min 60	dB
Fiber Connector	SC/APC or FC/APC	
RF Characteristics		
Operating Bandwidth	45~750/862	MHz
Input Level	75~85	dBμV/ch
Band Flatness	Typ ±0.75	dB
Input Impedence	Typ 75	Ω
Return Loss	Min 16	dB
Connector Type	F type	
Optical Link Performance		
CNR <sup>1</sup>	Min 51	dB
C/CSO <sup>1</sup>	Min 60	dB
C/CTB <sup>1</sup>	Min 65	dB
Electrical Specifications		
Power Voltage	85~265	VAC
Power Consumption	Max 30	W
Environmental Conditions & Others		
Operating Temperature Range	0~+50	°C
Storage Temperature Range	-25~+55	°C
Package Dimension (L*W*H)	482.6*369.5*43.6	mm

1. Tested with OT31, 10km fiber, optical attenuator and receiver. Perceiver power is -1dBm.

### Order Information

#### OT31 - A - B - C

A	Output Power	4: 4mW 6: 6mW 8: 8mW 10: 10mW .....
B	RF Bandwidth	7: 750MHz 8: 862MHz
C	Fiber Connector	F: FC/APC S: SC/APC