

Description

OT1550 is an external modulation laser transmitter with two output. High output level and low noise, is widely used in large and middle-size CATV fiber network. Adopting many imported components ensure better performance, stability and reliability.



- ◆ External modulation, High quality DFB and LiNbO₃ .
- ◆ Microprocessor automatic control circuit.
- ◆ Pre-distortion circuit.
- ◆ Low noise, high power and excellent reliability.
- ◆ Output optical power 2 x 7dBm.
- ◆ SBS 13/16/18 dBm, adjustable.
- ◆ VFD, 19" 1U standard framework, RS-485 and RS-232 port.

Electrical performance

Item	Unit	Specification
Optical Parameter		
Optical Wavelength	nm	1550±5
Modulation Mode		External Modulation
Modulation Depth		3%±0.25
Output Power	mW	≥7
SBS Threshold	dBm	13/16/18, adjustable
RF Parameter		
Frequency Range	MHz	47~862
Input Power Level	dBuV	75~85
Passband Flatness	dB	±0.75
Return Loss	dB	≥16(47-550MHz); ≥14(550-862MHz)
Input Impedance	Ω	75
System Parameter		
C/CTB	dB	≥65(59 channels PAL-D)
C/CSO	dB	≥65(59 channels PAL-D)
C/N	dB	≥53(59 channels PAL-D)

General

- ◆ Connectors : FC/APC or SC/APC, F connector imperial thread

- ◆ Power Supply : AC160~250V
- ◆ Power consumption : 30W
- ◆ Operating Temperature : 0 ~ +45 °C
- ◆ Storage Temperature : -20 ~ +65 °C
- ◆ Relative Humidity : max 95% no condensation
- ◆ Dimension: 483 (L)*381 (W)*45 (H) mm
- ◆ Weight: Kg

Block Diagram

