

OT1550

Description

External modulation optical transmitter 1550±5nm,
DFB laser, 2 ports output, output optical power≥7mW,
47-862MHz, SBS, 13/16/18dBm or adjustable,
imperial F type female port, FC/APC or SC/APC
connector, with SNMP, RJ45 and RS232, VFD, 19"
1U standard framework, AC220V, power cord with
EURO (2 pole with GND) or USA standard plug (3 pole).



Feature

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

Specification

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)

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C/CSO	dB	≥65(59 channels PAL-D)
C/N	dB	≥53(59 channels PAL-D)
General		
Connectors		FC/APC or SC/APC, F femal
Power Supply	V	160~250
Power consumption	W	30
Operating Temperature	°C	0 ~ +45
Storage Temperature	°C	-20 ~ +65
Relative Humidity	%	max.95(no condensation)
Dimension	mm	483(W)*381(L)*45(H)
Weight	Kg	3.3

Application

- ◆ HFC network