

Optical Transmitter

1550EA SERIES ITU ALL C-BAND TURN-ABLE EXTERNAL MODULATION OPTICAL TRANSMITTER

Features

- ◆ High quality: the original dual microwave innovative new technology, RF predistortion technology insure in the situation of quality CNR=53dB, system can get largest CTB.CSO. SBS index.
- ◆ Flexibility: the modulator technology of external modulator insures CSO performance excellent, improve fiber optical power maximum, get long distance transfer. SBS: 13-19, OMI, ITU wavelength adjustable, AGC/MGC selectable, apply for different network.
- ◆ Intuitive: The laser is the most expensive machine components, machine equipped with microprocessor monitors the working state of the laser, the panel LCD window displays the operating parameters.
- ◆ Network type: Select All-piece status monitoring transponder guarantee to meet the national standard and be compatible with the SCTE HMS standard, it enables network management monitoring capabilities. (Plug in type power supply): adopt aluminum profile plug in type switch power supply, it can work at 85 265Vac City Network Voltage, As well as an optional DC48V power supply (reservations required); chassis cooling automatic temperature control.



Technical

No.	Item	Unit	Parameter	Remark
1	Laser model			JDSU, Oclaro
2	Optical wavelength	nm	1528.77~1563.86	CATV range1540~1563nm valid
3	Wavelength stability	nm	±0.01	
4	Power flatness	dB	±0.75	
5	Optical modulation		External modulation	
6	Output power	dBm	2x7	2x8,2x9
7	SBS	dBm	16(default)	13~19 adjustable
8	Connection		FC/APC, SC/APC	Remark before ordering
9	Frequency range	MHz	47~1000	
10	CNR	dB	≥53.0	GY/T143-2000 6.2.3.5
11	Flatness	dB	±0.75(860MHz) ±1.5 (1000MHz)	GY/T143-2000 6.2.4



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12	RF input level	dBmV	23±5	AGC
13	C/CTB	dB	≥65.0	GY/T143-2000 6.2.5
14	C/CSO	dB	≥65.0	GY/T143-2000 6.2.6
15	RF input impedance	Ω	75	GB/T11381.1 4.2.2.2.5
16	RF input return loss	dB	>16	Plug in dual power, -48VDC selected
17	Power source	V	86~265	Single power
18	Power loss	W	≤50	Chassis temperature control automatic
19	Working temperature	°C	0~50	
20	Storage temperature	°C	-20~85	
21	Operation relative humidity	%	20%~85%	
22	Size	"	19*11*1.75	W *D*H
23	Network protocol		RJ45	Support IE and SNMP

