

# LF - 1550NM MODULATED OPTICAL

1550DT



## PRODUCT DESCRIPTION

1500DT series of advanced 1550nm directly modulated optical transmitter, is mainly used in overlayinsertsystems to implement high-value and multi-functional local designed value-added services such as self-runprograms. Low chirp, the output is the ITU standard wavelength, the RF driver adopts a self-developedRFpredistortion circuit and a built-in perfect microcomputer automatic monitoring system to ensure the excellentperformance index of the device. suitable for 10 ~20 kilometerslong

## PRODUCT FEATURE

- ◆ Top quality: The low chirp, high linearity DFB laser, and RF pre-correction circuit are used to keeptheC/ CTB, C / CSO, and C / N indexes in the best state.
- ◆ Transmission range: 10 ~ 20 kilometers for short distance transmission.
- ◆ Reliability: 19" 1U standard rack, built-in high-performance 1 + 1 hot backup power supply, whichcanworkat 86 ~ 265Vac city network. MS automatic switching, and chassis temperature automatic control.
- ◆ Excellent performance-price ratio: suitable for FTTH triple play CATV from headend to end user.
- ◆ Intuitive: The laser is the most expensive component of the device. The built-in microprocessor softwaremonitors the working status of the laser, and the working parameters are displayed on the panel LCD.
- ◆ Network management type: SNMP network management, can realize the network management WEBmonitoring function.
- ◆ Can be customized 2 outputs, optical power 5 ~ 6dBm output.

## TECHNICAL PARAMETERS

Item	Unit	Performance Parameter	Note
Laser Model		DFB	ORTEL



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## PRODUCT SPECIFICATION

Wavelength	nm	1550±10	
Optical Modulation Method		Directly Modulated	
Optical Output Power	mW	7~10	
Channel Number (Analog)	N	59	
Optical Connector		FC/APC or SC/APC	Specified Before Ordering
Frequency Range	MHz	47~750 (862)	
CNR	dB	≥52.0	
Flatness	dB	±0.83	
RF Input Signal Level	dBuV	78±5	
C/CTB	dB	≥65.0	
C/CSO	dB	≥65.0	
RF Input Impedance	Ω	75	
RF Input Reflection Loss	dB	>16(47~550)MHz >14(550~862)MHz	
Power Supply	V	90~265VAC or 48VDC	
Power Consumption	W	≤50	Hot-pluggable Dual Power Supply
Working Temperature	°C	0~50	Automatic Temperature Control
Storage Temperature	°C	-20~85	
Operating Relative Humidity	%	20%~85%	
Dimension	"	19"x15"x1.83"	(W) x (D) x (H)
Network Management Interface		RJ45	Supporting Web Browser and SNMP