

## 1550 Dual Optical Transmitter

Lindsay Broadband LB1550-D/PT series of rack mount optical transmitters are high performance, low noise 1550nm DFB direct modulated lasers. The 1RU 19 inch Rack mount chassis houses dual 1550nm optical transmitter modules with Optical output powers from 2mw to 10mw, in 2mw steps. AGC adjusts for variations in RF input levels. Auto output laser power stability control (APC) and auto laser temperature control (ATC) are standard features. The LED front panel display is used to monitor all functional transmitter parameters; output laser power, laser bias current, cooling current, temperature. The LB1550-D/PT is equipped with a USB communication interface for system network management. Optional hot swappable dual switch mode power supplies.

## LB1550-D/PT Series



## FEATURES

- 1U standard rack mount holds 2 optical transmitters.
- High performance DFB direct modulated lasers.
- 1550 ± 10nm wavelength
- Available Output power (2mw to 10mw) in 2mw steps.
- 47 - 1002MHz RF input with AGC
- 90 - 260VAC (50 to 60Hz) powering
- APC and ATC control circuits
- LED display shows all functioning parameters
- USB port for Plug-in SNMP management.

## Specifications

PARAMETER	SPECIFICATION	UNIT
Optical Wavelength	1550 ± 10	nm
Optical output Power	2-10 (in 2mw steps)	mW
Optical Connector	SC/APC or FC/APC	
Optical Fiber Type	Single Mode	
RF input Bandwidth	47- 1002MHz	MHz
Flatness	±0.75	dB
RF Input level w/AGC control	18 - 28	dBmV
Return Loss	≥16 (47-750MHz); ≥14 (750-1000MHz)	dB
CTB	≥65	dB
CSO	≥65	dB
C/N	≥52	dB
Powering	90 - 260VAC (50 to 60Hz)	VAC
Power Consumption	≤ 50	W
Network Interface	USB port	
Operating Temperature	0 - 50	°C
Dimension:	482 × 279 × 44 (W×D×H)	mm
Weight	≤10	kg

### ***LB1550-D/PT 1550nm Dual Optical Transmitter Ordering Matrix***

	Optical Power	Optical Connector	Power Socket/Type	Network Management
<b>LB1550-D/PT</b>	- <b>X</b>	- <b>XX</b>	- <b>X</b>	- <b>X</b>
	2   2mW	SA= SC/APC	A   North America	N   None
	4   4mW	FA= FC/APC	B   Europe	1   SNMP
	6   6mW		C   Asia	
	8   8mW			
	10   10mW			

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