

## Tunable Laser LT-5001N

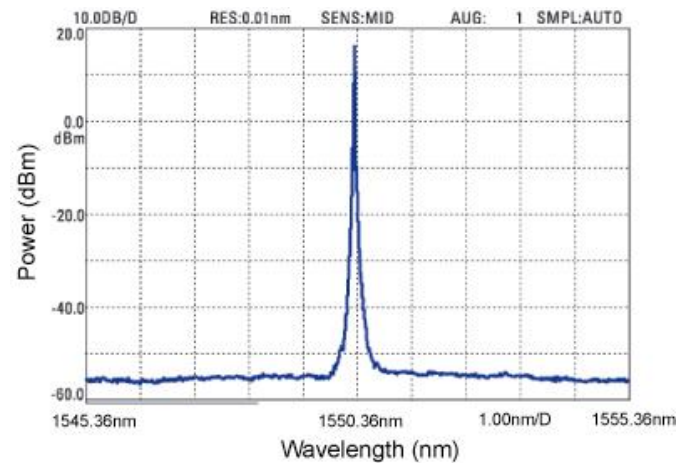


LT-5001N is a stable tunable laser with wavelength tuning range 100nm and high power output >30mW. Mode-hop-free continuous tuning range is more than 20nm in C band. Output is polarization maintained (PM fiber).

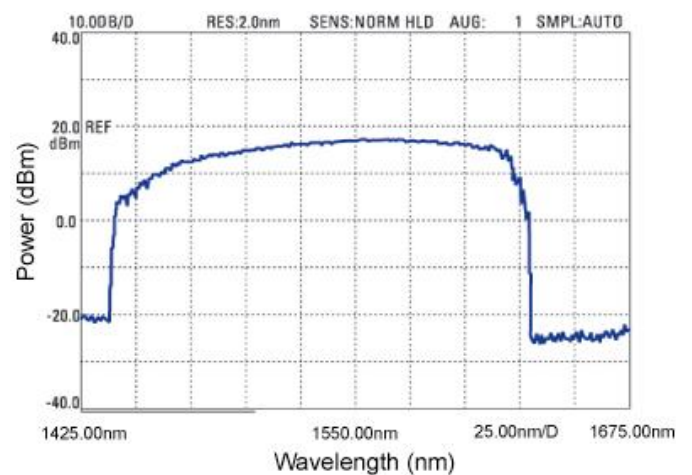
This system includes functions for tuning wavelength and external frequency modulation (PZT and Current).

### Laser Spectrum

#### ■ Spectrum



#### ■ Spectrum (peak hold)



### Features

- High Power output >30mW
- Stable Output
- External Modulation
- Wide Wavelength Range
- Narrow Spectrum Line-width

### Applications

- Optical Communication
- High Stability Interferometer
- Optical Frequency Counter
- Light Source for THz etc.

## Tunable Laser LT-5001N

Items	Specifications	Items	Specifications
Output Characteristics		Basic Specifications	
Wavelength tuning range	1500 ~ 1600 nm	Power supply	85 ~ 132 V, 45 ~ 60 Hz
Mode-hop-free continuous tuning range	>20nm in 1530 ~ 1565 nm	Operating Temperature	15 ~ 30 deg.C
Output power	> 30 mW	Storage Temperature	Room temperature
Mode	Single mode	Dimensions Driver Head	Excluding protrusions 220W x 260L x 125H mm 125W x 165L x 62H mm
Spectrum Line-width	< 500 kHz	Weight Driver Head	< 3 kg < 2 kg
Output type	Optical fiber	Accessories	
Optical fiber	PM(PANDA)		Driver-Head connecting cable (25PIN D-SUB)
Optical connector	FC/UPC		Hexagon wrench for wavelength tuning (M2.4)
Temperature control	Built-in		AC code
External Modulation Functions			User's Manual
PZT tuning range	80 GHz (Typ.)		
Frequency modulation bandwidth (current)	1 mA/V, 10 kHz (low) 0.1 mA/V, 100 MHz (high)		

Note) - Wavelength is not scanned automatically. Motorized actuator is optional.  
 - A laser head is separated from a driver.

Ver1.30

This brochure is subject to change without notice.

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