SIMTRUM

# L-Band Tunable Fiber Laser


**2024 V1**

For customized projects please Contact us:

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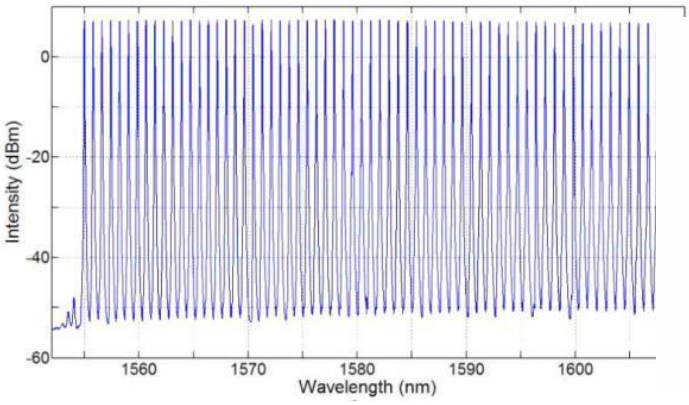
## L-Band Tunable Laser (1554 -1607nm)

SIMTRUM's L-Band Tunable Laser spans 1554 to 1607 nm, offering up to 64 ITU-T standard wavelengths with 100GHz spacing. Featuring a high-gain chip and adjustable filter, this laser ensures high output power, narrow linewidth, and precise wavelength accuracy. It includes a dedicated drive control circuit, high-definition LCD, and optional software for easy wavelength adjustments. Ideal for DWDM system R&D, fiber lasers, and optical testing in various fields.





## Features

- 64 ITU-I standard wavelengths
- High power stability
- High side mode suppression ratio

## Application

- DWDM system
- Fiber optic link
- Optical device testing

## Specifications

| Optical Parameters | Unit | Typical Value | | Remarks |
|---|---|---|---|---|
| Wavelength Range | nm | 1554.94 ~ 1607.46 | | ITU standard C28~L65 |
| Frequency Range | THz | 192.8 ~ 186.5 | | |
| Channel Spacing | GHz | 100 | | Equivalent to 0.8nm |
| Side Mode Suppression Ratio | dB | >50 | | |
| Number of Channels | - | 64 | | |
| Output Power | mW | 10/100 | | |
| Instability(15min.in) | dB | ≤ 0.02 | | Single wavelength, full temperature |
| Instability(8 hr) | dB | ≤ 0.05 | | Single wavelength, full temperature |
| Polarization State | - | Random | Linear polarization | |
| Optical Fiber | - | SMF-28 | PM1550 | |
| Fiber connector | - | FC/APC | FC/APC (slow axis alignment) | |

## Specifications

| General Parameters | Desktop |
|---|---|
| Control Function | Keystroke / RS232 serial Communication |
| Remote control Port | DB9 Female |
| Power Supply | AC100~240V, <30W |
| Dimensions | 260(W)×280(D)×120(H)mm |
| Operation Temperature | -5~+35°C |
| Operation Humidity | 0~70% |

| Ordering Information/ Product Code | | | | |
|---|---|---|---|---|
| **Series** | **Wavelength(nm)** | **Output Power(mW)** | **Fiber** | **Packaging** |
| STFL | L-64 = L-Band 64 wavelength | 10/100 | SM - SMF-28 | B - Desktop |
| | | | PM - PM1550 | |

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