Varius NL Product Line

CW wavelength tunable 1535-1575 (1540-1580) nm fiber Laser
Varius-NL-15xx-T series

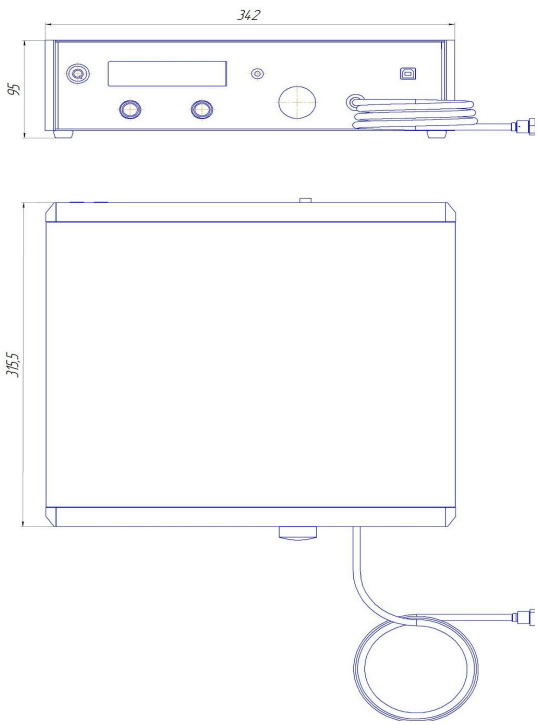
Key features

- Tunable Wavelength
- TEM_{00} mode
- High beam quality (M^2<1.1)
- Narrow linewidth
- High reliability

Varius-NL-15xx-T is a wavelength tunable 1535 nm - 1575 nm or 1540 nm - 1580 nm CW fiber laser. Varius key feature is the wavelength tuning with a step of 0.2 nm. Varius-NL-15xx-T is controlled by digital display, switches and adjustment knobs which are placed on the front-panel. A full set of control electronics and power supply are included in the delivery package. The computer control software is provided optionally. Varius-NL-15xx-T is a perfect tool due to excellent performance, high reliability, and lower cost. Varius can be enclosed in the compact size housing for OEM integration which dimensions can be designed by customers request.

Applications

- Spectroscopy
- Second-harmonic generation
- Pumping source
- Other



Varius-NL-15xx-T specifications

Parameter	Value	Unit
Operating mode	CW, TEM_{00}	
Wavelength tuning range	1535 -1575, 1540 - 1580	nm
Wavelength setting accuracy	0.2	nm
Output power in the middle of the wavelength range	0.1, 0.2, 0.5, 1, 3, 5, 10, 15, 30	W
Long-term instability	< 1	%
Linewidth	< 0.3	nm
Beam quality (M^2)	< 1.1	
Polarization	Random	
Control interface	Front panel with display, RS232/USB (optional)	
Operating voltage	110 -130V, 220 - 240 V, 50 - 60 Hz, Single Phase	
Operation temperature	0 to 40	^{0}C
Storage temperature	- 40 to +70	^{0}C
MTBF	> 10.000	Hrs
Operation Humidity	10 - 85	%
Cooling	Forced air	
Dimensions (WxHxL)	342x95x315,5 (up to 10W), 449x139x359 (15 - 30W)	mm
Weight	< 10 (up to 5W), < 15 (up to 30W)	kg

- Optromix fiber systems can be customized by request.
- Warranty: 1 year.

Ordering Information:

Product Code	**Varius-NL-15xx-T-yyyy-p-cc**	xx:	Wavelength (nm) in the middle of the range
		yyyy:	Output power (mW)
		p:	Polarization:U-unpolarized, R - random, L - linear
		cc:	Optical output: FO - fiber, CM - collimated fiber, FS - free space, FA = FC/APC FU = SC/UPC, SA = SC/APC SU = SC/UPC

Information in this document is a subject to change without notice.