

808nm High Stability Multi-mode Pump Laser Source



Product Description:

The VENUS series 808nm multi-mode pump laser source of Connet has high power and high brightness output with a built-in Single Emitter laser. The control system based on the advanced microprocessor, combined with high-precision ATC and ACC (APC) control circuits, realizes the highly stable output of the laser, and at the same time ensures the fast and intuitive control of the laser source. Connet can also provide corresponding communication interfaces and control software according to user requirements to achieve computer control.

Connet VENUS series 808nm multimode pump laser source uses Connet's unique AWL (Active Wavelength Locking) active wavelength locking technology to ensure that the peak wavelength is stabilized in the range of 808 +/- 3nm in the case the power is reduced to half. It greatly improves the stability and efficiency of the laser source.

Connet VENUS series 808nm multi-mode pump laser source is a highly integrated system source. The benchtop source uses the high-definition LCD to display the current and voltage synchronously and also has the continuously adjustable output power which is suitable for scientific research and manufacture testing. In addition, Connet Laser can provide compact module package for system integration.

Applications:

- Neodymium-doped fiber pump source
- Solid-state laser pump source
- Spectral analysis
- Test and measurement
- Other lab applications

Features:

- High output power
- Active wavelength locking
- High stability and high reliability
- LCD display
- High precision ACC and ATC control circuit

Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VLSM-808-B		
Output power	W	1	-	50
Peak operating wavelength ¹	nm	805	808	811
Spectral width (FWHM)	nm	-	5	-
Output power stability (15mins) ²	%	-	±0.1	±0.5
Output power stability (8h) ²	%	-	±1.0	±2.0
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse / Fine		
Operating voltage	VAC	100	220	240
Power consumption ³	W	-	-	200
Operating temperature	°C	0	-	30
Storage temperature	°C	-40	-	85
Output fiber type		400µm/0.22		
Output fiber length	m	> 1		
Output fiber connector		FC/APC (other options available)		
Dimension	mm	320(L)×280(B)×150(H)		

Specifications:

- The peak operating wavelength can be specified;
- The output power stability is measured under 25°C, after 30 minutes' warm-up;
- The max power consumption is tested under the extreme temperature conditions.

Ordering information:

- VLSM-808-P-PW- <SP>
- P: Package, B-Benchtop, M-Module
- PW: Output power in W; 4-4W, 30-30W