

808nm High Stability Single-mode Pump Laser Source



Product Description:

Connet VENUS series 808nm single-mode pump laser source uses a single-mode semiconductor laser with FBG wavelength-stabilized grating, which has stable wavelength and high output power. The control system based on the advanced microprocessor, combined with high-precision ATC and ACC (APC) control circuits, realizes the high 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 high stability single-mode pump laser source is a highly integrated turn-key system laser source. It uses a high-definition LCD display with continuously adjustable output power and simultaneous display of current and voltage. It is very suitable for experimental scientific research. In addition, the company can also provide modular packaging according to user requirements to facilitate system integration.

Applications:

- Fiber laser pump source
- Solid-state laser pump source
- Fiber optic sensing
- Test and measurement
- Other scientific research

Features:

- FBG Wavelength-Stabilized , no drift
- High power, single mode output
- Continuously adjustable output power
- High stability and high reliability
- High precision ACC and ATC control circuit



Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VLSS-808-B		
Output power ¹	mW	100	-	250
Peak operating wavelength	nm	803	808	813
Spectral width(FWHM)	nm	-	0.5	
SMSR	dB	20	-	-
Stability of output power ²	%	-	±0.5	±1
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse / Fine		
Output fiber type		SMF or PMF		
Length of output fiber	m	> 1		
Output fiber connector		FC/APC(other options available)		
Operating voltage	VAC	100-240		
Power consumption ³	W			10
Operating temperature	°C	0	-	+50
Storage temperature	°C	-40	-	+85
Dimension	mm	340(L)×240(W)×100(H)		

Specifications:

- Output power on request, typical output power: 100mW, 250mW, etc.
- The output power stability is measured under 25°C, 30 minutes after warm-up.
- The max power consumption refers to the consumption under extreme temperature conditions.

Ordering information:

- VLSS-808-P- <PW>
- P: Package, B- Benchtop , M-module
- PW: Output power in mW, 100-100mW, 250-250mW;