



## VENUS SERIES

VLSM-980-B

### Features:

- High output power
- Wavelength-Stabilized optional
- Built-in feedback protection
- High stability and high reliability

### Applications:

- Pump for double-clad fiber laser, fiber amplifier
- Spectral analysis
- Test and measurement
- Other lab applications

### 975nm High Stability Multi-mode Pump Laser Sources

The VENUS series 975nm multi-mode pump laser sources of Connet Laser are designed for high power fiber laser and amplifier as high-stability pump source. They have high power and high brightness output. A single emitter pump diode laser is installed inside. The VENUS series 975nm multi-mode pump laser sources of Connet Laser adopt a built-in isolated diode laser, which is able to realize 30dB isolation of the backward ASE, thus avoiding the damage caused by ASE to pump diode laser.

The VENUS series Multi-mode pump laser sources of Connet Laser are highly integrated system sources. The benchtop sources use high-definition LCD which displays the current and voltage synchronously and have continuously adjustable output power. They are suitable for scientific research and manufacturing testing. In addition, Connet Laser can provide compact module package for system integration.

## Specifications:

Parameter	Unit	Specification		
		Min	Typ	Max
Part No.		VL5M-980-B		
Output power <sup>1</sup>	W	9	-	25
Peak operation wavelength <sup>2</sup>	nm	970	975	985
Spectral width (FWHM)	nm		5	7
Output isolation <sup>3</sup>	dB	25	30	-
Stability of output power (15min) <sup>4</sup>	%	-	±0.1	±0.5
Stability of output power (8h) <sup>4</sup>	%	-	±1.0	±2.0
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse/fine		
TEC Stability	℃	-	±0.1	±0.2
TEC Operating range	℃	25	30	35
Operating voltage	VAC	170	220	260
Power consumption <sup>5</sup>	W	-	-	100
Operating temperature	℃	0	-	50
Storage temperature	℃	-40	-	85
Output fiber type		105/125 NA=0.15 or 0.22		
Length of output fiber	m	> 1		
Output fiber connector		FC/APC(other options available)		
Dimension	mm	335(L)×280(B)×150(H)		

## Specifications:

- Output power on request , typical output power: 9W、25W;
- Other operating wavelength available: 915nm、940nm;
- Isolation refers to the feedback of ASE;
- The output power stability is measured under 25℃, 30 minutes after warm-up;
- The max power consumption refers to extreme temperature conditions.

## Ordering information:

- VL5M-980-P-PW-<SP>
- P:Package, B-Benchtop, M-Module
- PW: Output power in W; 9-9W, 25-25W
- SP: Feedback protection, 0-None, 1-Yes

## Notes:

Connet laser provides different pump protection solutions according to different wavelength fiber lasers and amplifiers. If you need, please contact us for more professional support.



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