



VENUS SERIES

VLSS-980-M

Features:

- Singlemode or PMF output
- High output power: up to 1400mW
- FBG wavelength-locked pump diode
- ASE feedback protection
- Highly stable output

Applications:

- High power and low noise EDFA
- Mode- locked fiber laser for 1.0um and 1.5um band
- Yb-doped fiber laser and amplifier
- Test and measurement
- Other lab applications

980nm High Power Single-mode Pump Laser Module

The key components of the Connet VENUS series 980nm High Power Single-mode Pump Laser source use one or two high-power single-mode pump lasers with FBG wavelength stabilization in the 980nm band. The typical operating wavelength is around 975nm. The stability of the output power is guaranteed by a combination of uniquely designed ATC and APC circuits, structural and thermal design.

The VLSS-980-M is a compact, modular design singlemode pump laser source with an output power of up to 1.4W. Connet's unique low-noise drive circuit and temperature control circuit ensure a highly stable output, output power stability is better than 1%.

For different wavelength applications, Connet provides corresponding ASE back-reflection protection measures.

Specifications:

Parameter	Unit	Specification		
		Min	Typ	Max
Part No.		VLSS-980-M		
Output power ¹	mW	90	-	1400
Peak operating wavelength ²	nm	970	974/976	985
Spectral width(FWHM)	nm	-	0.5	1
SMSR	dB	20	-	-
ASE back reflection isolation ³	dB	-	30	-
Stability of output power	%	-	<0.5	1
Output power tunable range	%	30	-	100
Operating voltage	VDC	5.5	-	12
Operating temperature	°C	0	-	50
Storage temperature	°C	-40	-	85
Output fiber type		SMF or PMF		
Length of output fiber	m	> 1		
Output fiber connector		FC/APC(other options available)		
Dimension	mm	90x70x15 or 150x125x20		

Specifications:

- Output power on request, typical output power:400mW,600mW,etc.
- Operating center wavelength please specify.
- Isolation refers to the feedback of ASE.
- The output power stability is measured under 25°C, 30 minutes after warm-up.

Ordering information:

- VLSS-974/976-M-<PW>-<SP>
- VLSP-974/976-M-<PW>-<SP>
- M- Module
- PW: Output power in mW, 300-300mW, 500-500mW; 1400-1400mW
- SP: Feedback protection, 0-None, 1-Yes

Notes:

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



3/F, Building 322 No.953 Jianchuan Road, Minhang, Shanghai, China

021-61270268

021-61270289

sales@connet-laser.com

www.connet-laser.com



CONNET LASER TECHNOLOGY Co., LTD.