

1480nm High Stability Single-mode Pump Laser Source



Product Description:

Connet VENUS series 1480nm single-mode pump laser source uses a high-quality multi-quantum semiconductor laser with a built-in isolator. 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 1480nm high stability single-mode pump laser source is a high performance pump laser source designed for high performance EDFA, Raman amplifier and other applications. Based on the built-in isolation protection, Connet provides other targeted pump protection solutions to further enhance the safety of the pump laser source.

Connet VENUS series 1480nm 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. In addition, the company can also provide modular packaging according to user requirements to facilitate system integration.

Applications:

- C-Band high power EDFA
- L-Band high power EDFA
- Raman amplifier
- Test and measurement
- Other laboratory applications

Features:

- Single mode high power output, up to 800mW
- Built-in isolation protection optional
- Stable output power, continuously adjustable
- Work status displayed with LCD
- High precision ACC and ATC control circuit



Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VLSS-1480-B		
Output power ¹	mW	100	-	800
Peak operating wavelength ²	nm	1460	1480	1490
Spectral width(FWHM)	nm	-	5	8
SMSR	dB	20	-	-
Output isolation ³	dB	-	30	-
Stability of output power ⁴	%	-	±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	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: 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-1480-P-<PW>-<SP>
- P: Package, B- Benchtop , M-module
- PW: Output power in mW, 300-300mW, 500-500mW;
- SP: Feedback protection, 0-None, 1-Yes