980nm High Stability Multi-mode Pump Laser Source

Product Description:

The VENUS series multi-mode pump laser source of Connet is designed for high power fiber laser and amplifier as the high-stability pump source. It has high power and high brightness output. One single emitter pump diode laser has been installed inside. The VENUS series multi-mode pump laser source of Connet adopts 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 typical operating wavelength is 980nm and others wavelength are available, such as 915nm and 940nm. Connet also can provide more high output power as requested.

Connet VENUS series 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:

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

Features:

· High output power
· Wavelength-stabilized optional
· 1040-1200nm feedback protection
· High stability and high reliability

Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VLSM-XXXX-B		
Output power[1]	W	9	-	60
Operating wavelength[2]	nm	973	976	980
Spectral width (FWHM)	nm	-	-	6
Output isolation[3]	dB	25	30	-
Output power stability (15mins)[4]	%	-	±0.1	±0.5
Output power stability (8h)[4]	%	-	±1.0	±2.0
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse / Fine		
Output fiber type		105/125 or 106.5/125 NA=0.15 or 0.22		
Output fiber length	m	> 1		
Optical connector		FC/APC (other options available)		
Operating voltage	VAC	100-240		
Power consumption5				150
Operating temperature		0		+30
Storage temperature		-40		+85
Dimensions	mm	320(L)×280(B)×150(H)		

Specifications:

· Typical output power: 9W,20W,30W,60W.Higher output power is available;
· Others operating wavelength is available : 915nm, 940nm;
· Isolation refers to the feedback of ASE@1040-1200nm;
· The output power stability is measured under 25℃, after 30 minutes' warm-up;
· The max power consumption is tested under the extreme temperature conditions.

Ordering information:

· VLSM-XXXX-P-PW-<SP>
. XXXX: Operating wavelength in nm;976nm, 915nm,940nm
· P: Package, B-Benchtop, M-Module
· PW: Output power in W; 9-9W, 25-25W
· SP: Feedback protection, 0-Non, 1-Yes