



VENUS SERIES

VASS-Yb-B: SM

VASP-Yb-B: PM

Features:

- Single mode output
- Wide bandwidth
- High output power
- High stability and high reliability

Applications:

- Test and measurement
- Optical fiber sensor system
- Optic coherence tomography
- Spectrum Analysis
- Other lab applications

1.0um ASE Broadband Light Sources

The VENUS series 1.0um high-stability ASE light sources of Connet Laser are broadband light sources based on Er-doped all-fiber structure. They are ideal sources for test, measurement and spectral analysis, with stable output power and high-flatness spectrum.

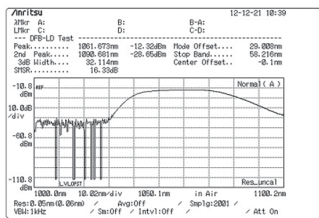
The VENUS series 1.0um high-stability ASE light sources of Connet Laser are highly integrated system sources. The benchtop sources use high-definition LCD which displays the current and voltage synchronously and has continuously tunable output power; suitable for scientific research and manufacturing testing. In addition, Connet Laser can provide compact module package for system integration.

Specifications:

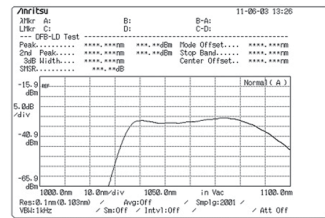
Parameter	Unit	Specification		
		Min	Typ	Max
Part No.		VASS-Yb-B: SM VASP-Yb-B: PM		
Output power ¹	mW	10	-	100
Operating wavelength	nm	1035	-	1080
Spectral width (FWHM)	nm	-	45	-
Spectral flatness (Standard)	dB	-	4	-
Spectral flatness (Gain Flatness)	dB	-	2	5
Output isolation	dB	30	35	-
Stability of output power (15min) ²	%	-	±0.5	±1.0
Stability of output power (8h) ²	%	-	±1.0	±2.0
Output power operating range	%	0	-	100
Output power operating mode		Coarse /fine		
Operating voltage	VAC	170	220	260
Power consumption ³	W	-	-	20
Operating temperature	°C	0	-	50
Storage temperature	°C	-40	-	85
Output fiber type (Single mode)		SMF 6/125um NA=0.13		
Output fiber type (PM)		Panda 980 NA=0.13		
Polarization extinction ratio (PER)	dB	> 17 (PM output fiber)		
Length of output fiber	m	> 1		
Output fiber connector		FC/APC(other options available)		
Dimension	mm	270(L)×235(W)×105(H)		

Spectrum:

Standard:



Gain Flatness:



Specifications:

- Output power is optional , typical output power: 10mW、20mW、50mW、100mW;
- 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:

- VASS-Yb-B-<PW>-<FL>
- VASP-Yb-B-<PW>-<FL>
- B: Benchtop
- PW: Output power in mW. Example:30-30mW, 50-50mW
- FL: Spectral flatness: 1-Standard, 2- Gain Flatness



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