



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 sensing system
- Optic coherence tomography
- Spectrum analysis
- Other lab applications

1.0um ASE Broadband Light Source

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

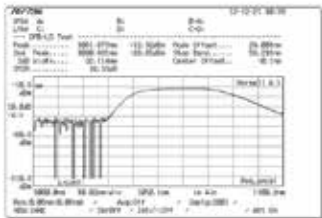
The VENUS series 1.0um high-stability ASE light sources of Connet are the highly integrated systems. The benchtop source uses the high-definition LCD which can display the current and the voltage synchronously and the output power also can be continuously tunable. They are suitable for scientific research and manufacture testing. In addition, Connet also can provide the compact module package for system integration.

Specifications:

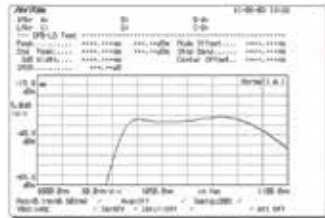
Parameter	Unit	Specification		
		Min	Typ	Max
Part no.		VASS-Yb-B: SM VASP-Yb-B: PM		
Output power ¹	mW	10	-	100
Operating wavelength	nm	1035	-	1080
Spectral width (FWHM)	nm	-	45	-
Spectral flatness (Standard)	dB	-	4	-
Spectral flatness (Gain Flatness)	dB	-	2	5
Output isolation	dB	30	35	-
Output power Stability (15mins) ²	%	-	±0.5	±1.0
Output power Stability (8h) ²	%	-	±1.0	±2.0
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse / Fine		
Operating voltage	VAC	100-240		
Power consumption ³	W	-	-	20
Operating temperature	°C	0	-	50
Storage temperature	°C	-40	-	85
Output fiber type (SM)		SMF 6/125um NA=0.13		
Output fiber type (PM)		PM980 NA=0.13		
Polarization extinction ratio (PER)	dB	> 17 (PM output fiber)		
Output fiber length	m	> 1		
Optical connector		FC/APC (other options available)		
Dimension	mm	340(L)×240(W)×100(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 , after 30 minutes warm-up;
- The max power consumption is tested under the 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



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.