



VENUS SERIES

VASS-Tm-2000-B

Features:

- All-fiber structure
- Output isolation
- High stability output
- Turn-Key system
- Infrared wavelength region

Applications:

- Test and measurement
- Spectroscopy
- Gas Sensor
- Biomedical Application
- Other science research

2.0um ASE Broadband Light Sources

The VENUS series 2.0um high-stability ASE light sources of Connet Laser are a broadband source with mid-infrared wavelength. They have stable output power and can be widely used in the areas of spectroscopy, gas sensing and biomedical research.

The VENUS series 2.0um high-stability ASE light sources of Connet Laser is a highly integrated system source. 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-Tm-2000-B		
Operating wavelength range	nm	1900	-	2050
Output power ¹	mW	10	-	50
Spectral width (FWHM)	nm	50	-	-
Output isolation	dB	30	-	-
Polarization extinction ratio	dB	15	20	-
Stability of output power (15min) ²	%	-	±0.5	±1.0
Stability of output power (8h) ²	%	-	±2.0	±5.0
Output power adjustable range	%	30~100		
Output polarization		Random (PM optional)		
Beam Quality	M ²	<1.2		
Output fiber and connector		Single Mode Fiber, FC/APC		
Operating voltage	VAC	170	220	250
Power consumption ³	W	-	-	20
Operating temperature	℃	0	-	40
Storage temperature	℃	-40	-	85
Dimension	mm	270(L)×235(W)×105(H)		

Specifications:

- Output power is optional, typical output power: 10mW、20mW、50mW;
- The output power stability is measured under 25℃, 30 minutes after warm-up;
- The max power consumption refers to the consumption under extreme temperature conditions.

Ordering information:

- VASS-Tm-2000-B-<PW>
- B: Benchtop
- PW: Output power in mW . Example: 10-10mW, 50-50mW



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