CONNET LASER TECHNOLOGY

VENUS SERIES

VASS-L-B: SM

VASP-L-B: PM

Features:

- L-band, wide spectrum
- SM fiber output
- Output power tunable
- High flatness
- High stability and high reliability

Applications:

- Components test
- Optical fiber sensing system
- Optical fiber gyroscope
- Spectrum analysis
- Other lab applications

L-band High Stability ASE Light Source

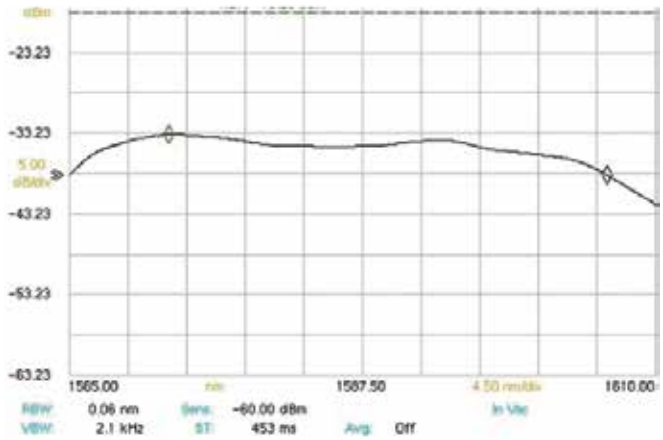
The VENUS series L-band ASE light source of Connet employs the optimized Er-doped fiber laser to realize the output laser with wide spectrum, high output power and extremely high stability output power within the whole operating temperature range. The L-band ASE sources of Connet have the extremely high spectral flatness.

The VENUS series L-band 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-L-B：SM VASP-L-B：PM		
Output power[1]	mW	10	-	100
Operating wavelength	nm	1570	-	1602
Spectral width（FWHM）	nm	-	32	-
Spectral flatness	dB	-	-	3.5
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		Caorse / Fine		
Operating voltage	VAC	100-240		
Power consumption[3]	W	-	-	20
Operating temperature	℃	0	-	50
Storage temperature	℃	-40	-	85
Output fiber type（SM）		SMF 9/125um NA=0.13		
Output fiber type（PM）		PM1550 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：



Specifications:

- Output power is optional, typical output power: 10mW、20mW、30mW、100mW；
- 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:

- VASS-L-P-<PW>
- VASP-L-P-<PW>
- P: Package, B-Benchtop, M- Module
- PW：Output power in mW. Example: 20-20mW，100-100mW

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