

C-band ASE Broadband Light Source



Product Description:

The VENUS series C-band ASE light source of Connet employs the optimized Er-doped fiber laser to realize the output laser with different spectral width, high output power and extremely high stability output power within the whole operating temperature range. The C-band ASE light sources of Connet have the extremely high spectral flatness. For the purpose of different applications, the Low DOP output can be provided according to the requirement of the customer.

The VENUS series C-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.

Applications:

- Components testing
- Optical fiber sensing system
- Optical coherence tomography
- Spectrum Analysis
- Optical fiber measurement equipment

Features:

- Broadband spectrum
- High output power
- Good spectral stability
- Low ripple and High flatness
- High reliability and durability

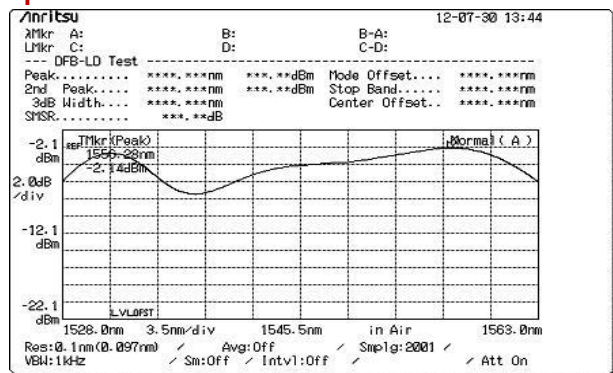
Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VASS-C-B: SM VASP-C-B: PM		
Output power ¹	mW	10	-	200
Operating wavelength	nm	1528	-	1561
Spectral width (FWHM)	nm	-	33	-
Spectral flatness (Standard)	dB	-	-	7
Spectral flatness(Flattened)	dB	-	1	1.5
Output isolation	dB	30	35	-
Degree of Polarization(DOP) ²	%		2	5
Output power Stability (15mins) ³	%	-	±0.5	±1.0
Output power Stability (8h) ³	%	-	±1.0	±2.0
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse / Fine		
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)		
Operating voltage	VAC	100-240		
Power consumption ⁴	W	-	-	20
Operating temperature	°C	0	-	+50
Storage temperature	°C	-40	-	+85
Dimension	mm	340(L)×240(W)×100(H)		

Specifications:

- Output power is optional, typical output power: 10mW、20mW、50mW、100mW、200mW;
- Low DOP is optional;
- 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.

Spectrum:



Ordering information:

- VASS-C-P-<PW>-<FL>:SM
- VASP-C-P-<PW>-<FL>:PM
- P: Package, B-benchtop, M-module
- PW: Output power in mW. Example: 50-50mW, 200-200mW
- FL: Spectral flatness, 0-Standard, 1- Flattened