

2.0um ASE Broadband Light Source



Product Description:

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

Connet VENUS series high-stability ASE light source has a highly stable output, and the long-term output power stability is even better than 1%. Connet uses a unique heat treatment process to ensure long-term stable operation of light source. The professionally designed high-speed response protection circuit ensures the safety of the entire system.

The VENUS series 2.0um high-stability ASE light sources of Connet are the highly integrated systems. The benchtop sources use 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:

- Test and measurement
- Spectroscopy
- Gas Sensing
- Biomedical application
- Other scientific research

Features:

- Infrared wavelength range:1820-2020nm
- Wide spectrum: > 50nm
- Output isolation
- High stability output
- Turn-Key system

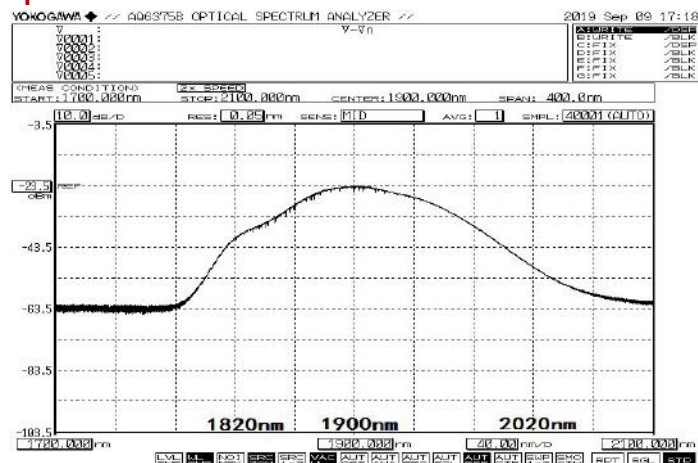
Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VASS-Tm-2000-B		
Operating wavelength	nm	1820	-	2020
Output power ¹	mW	10	-	100
Spectral width (FWHM)	nm	50	-	-
Output isolation	dB	30	-	-
Output power Stability (15mins) ²	%	-	±0.5	±1.0
Output power Stability (8h) ²	%	-	±2.0	±5.0
Output power adjustable range	%	30	-	100
Output Power Adjustment Mode		Coarse / Fine		
Polarization		Random (PM optional)		
Beam quality	M ²	<1.2		
Output fiber type		Single-mode Fiber (PM optional)		
Optical connector		FC/APC		
Operating voltage	VAC	100-240		
Power consumption ³	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;
- 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-Tm-2000-B- <PW>
 - B: Benchtop
 - PW: Output power in mW .
- Example: 10-10mW, 50-50mW