

2 Micron ASE Light Source



Description

Idealphotonics' Amplified spontaneous emission (ASE), also called superluminescence, is the emission of fluorescence that is amplified along the gain media. AdValue Photonics' near 2 micron ASE source exhibits broad bandwidth with excellent spatial coherence and low temporal coherence.

Feature

- Broadest bandwidth
- High output power
- Diffraction limited beam quality
- Turn-key system with no maintenance

Application

- Optical component testing
- Gas analysis
- Biomedical analysis
- Spectroscopy
- Research & development

Specification

Parameter	Specification	
Operation mode	CW	
Center wavelength	1.95±0.03 μ m	
Output power (nominal)	20 mW	10 mW
Bandwidth (-20dB)	>70 nm	>70 nm
Output power stability	±5% (at 25°C)	±5% (at 25°C)

Beam quality, M ²	< 1.1	< 1.1
Output polarization	Random	Linearly polarized
Output fiber and connector	SMF-28 single mode fiber 3 mm jacket, 1 m length FC/APC connector	Panda PM1550 fiber 3 mm jacket, 1 m length FC/APC connector, keyed to slow axis

* Other output power models are available upon request

General Environmental Parameters

Parameter	Specification
Operating temperature	10 to +35 °C
Storage temperature	-10 to +65 °C
Cooling	Forced air
Power requirement	AC 100~240 V (50/60Hz)
Warm-up time	20 minutes
Package dimensions	260(W) x 340(D) x 105(H) mm

Ordering information

VASS-Tm-2000-B-<PW>

B: Benchtop

PW: output power, unit:mW。 eg: 10-10mW, 50-50mW