

ASE-2000 MIR Broadband Light Source

▶ Product Introduction



ASE-2000 is a high cost-effective mid-infrared broadband light source for optical components measurement and characterization.

Amplified Spontaneous Emission, abbreviated as ASE, also known as superradiation, is the light radiation amplified by gain medium. Because of the broad gain bandwidth of thulium doped fiber, ASE-2000 has ultra-wide output bandwidth, excellent spatial coherence and low time-domain coherence. Meanwhile the backward output design makes its output power reach up to more than 10 dB, which means it can meet the requirements of different applications.

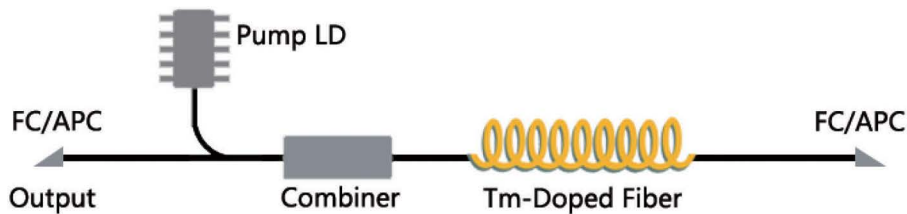
▶ Key Features

- Broad bandwidth
- Excellent spatial coherence
- Compact footprint
- Diffraction limited beam
- Turn-key system

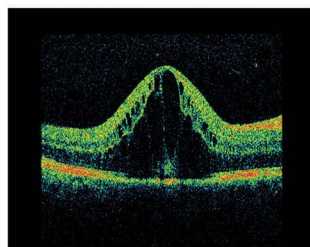
▶ Applications

- Gas sensing
- Biomedical analysis
- Spectroscopy
- Test and measurement
- OCT application

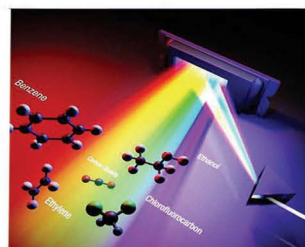
▶ Structure Diagram



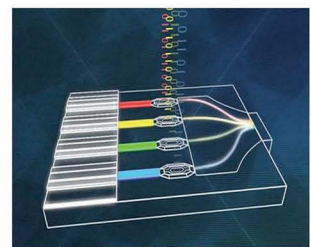
Gas sensing



Biomedical analysis



Spectroscopy



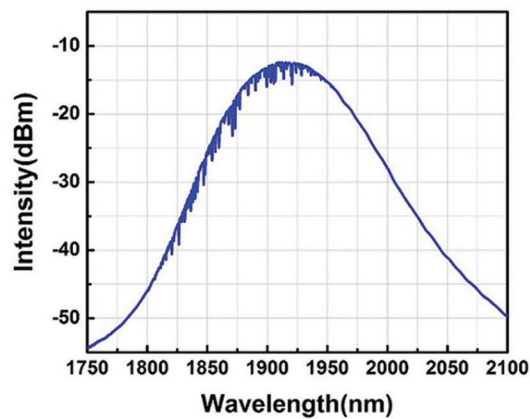
Test and measurement

▶ Main Specification

Parameter	Performance
Operating Wavelength	1930±20 nm
Spectral Bandwidth (-20 dB)	~170 nm
Average Output Power	>10 mW
Output Power Stability	<1% (25°C)
Beam Quality , M2	<1.1
Operating Temperature	15 - 35 °C
Power Requirement	AC 100-240 V (50 Hz/60 Hz)
Dimensions	346 x 220 x 91 mm
Weight	4.7 kg
Output Mode	SM2000/SM1950 Single-mode optical fiber, FC/PC Connector

▶ Test Data

Typical spectrum



▶ Machine Drawing

