

2.1 Micron ASE Light Source

AP-ASE-2100

Amplified spontaneous emission (ASE), also called superluminescence, is the emission of fluorescence that is amplified along the gain media. AdValue Photonics' near 2.1 micron single mode ASE source exhibits broad bandwidth with excellent spatial coherence and low temporal coherence.



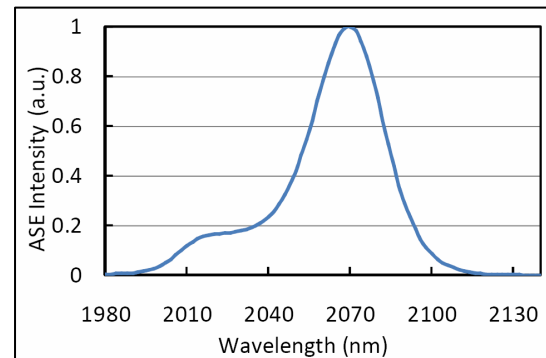
Applications:

- Optical component testing
- Gas spectrum and sensing
- Bio-medical applications
- Scientific measurement



Features:

- Broadest bandwidth
- Mid IR wavelength region
- High output power
- Diffraction limited beam quality



Optical Characteristics:

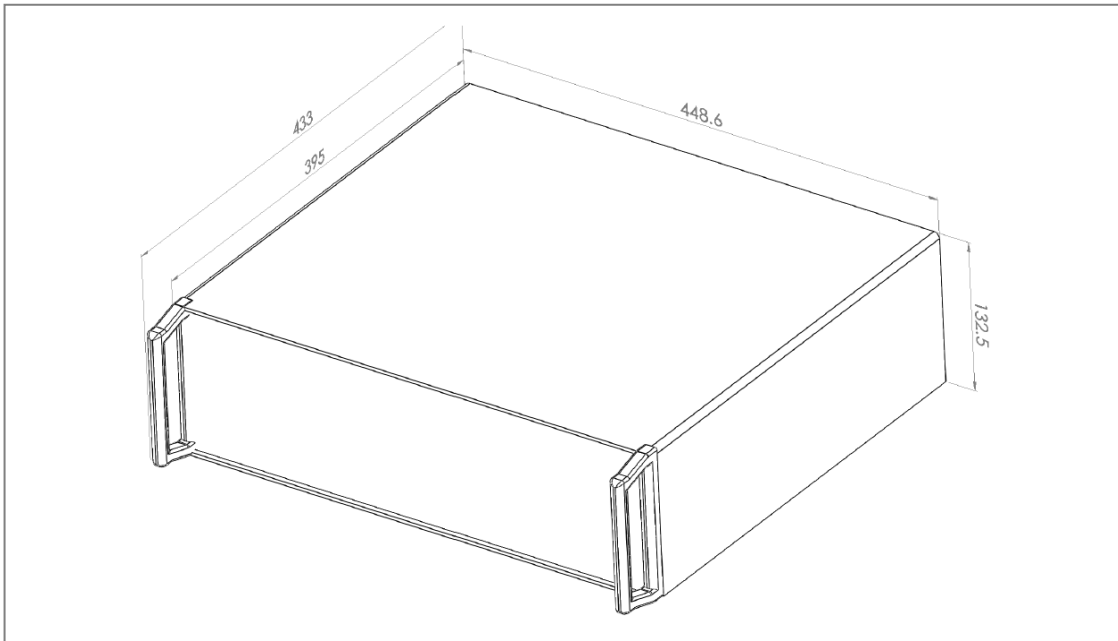
Parameter	Specification
Center wavelength	2070±10 nm
Operation mode	CW
Output power	>10 mW
Bandwidth (-20dB)	>100 nm
Output power stability	±5% (at 25 °C)
Beam quality, M ²	< 1.1
Output polarization	Random
Output fiber and connector	SMF-28 single mode fiber, 3 mm jacket, 1 m length FC/APC connector

Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating temperature	5 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	448.6(W) x 433(D) x 132.5(H) mm

Mechanical Outline:



Ordering Information:

Part number:	AP-ASE	-	2100	-	SM	-	m010
			Wavelength region: 2.1μm		Spatial mode: SM = single mode		Output power: m010 = 10mW

For special request, please contact us for more information at 1-520-790-5468 or sales@advaluephotonics.com.

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Innovative products made in the Optics Valley, Tucson, Arizona, USA