AdValue Photonics, Inc.
sales@advaluephotonics.com
www.advaluephotonics.com
Tel: 520-790-5468; Fax: 520-790-1158

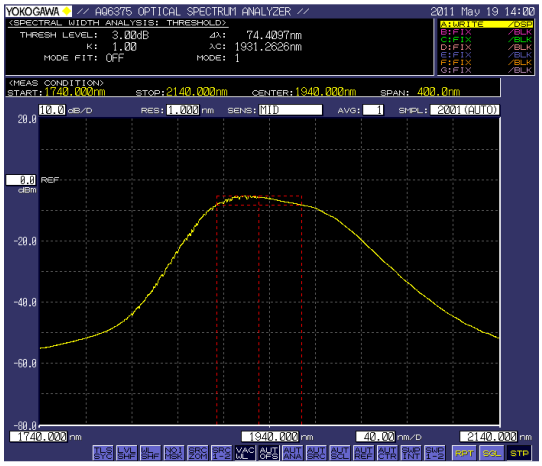
2 Micron ASE Light Source

AP-ASE-2000

Amplified spontaneous emission (ASE), also called superluminescence, is the emission of fluorescence that is amplified along the gain media. AdValue Photonics' near 2 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:

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

Optical Characteristics:

Parameter	Specification	
Operation mode	CW	
Center wavelength	1935±10 nm	
Output power	>20 mW	>10 mW
Bandwidth (-20dB)	>170 nm	>170 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

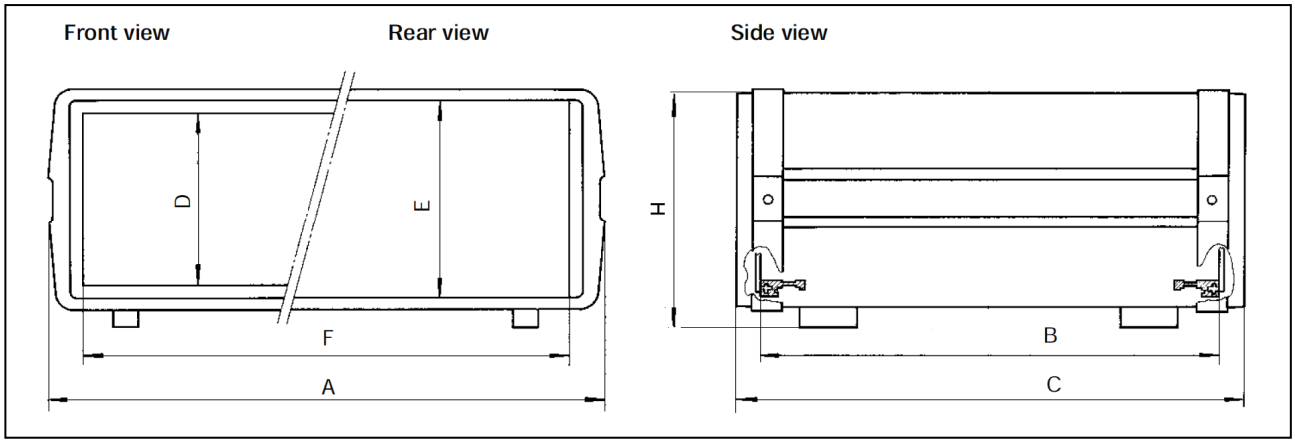
Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating temperature	5 to +35 ℃
Storage temperature	-10 to +65 ℃
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

Notes: Higher output power is available based on request.

Mechanical Outline:



	A	C	H
mm	260	340	105
Inch	10.24	13.39	4.13

Ordering Information:

Part number:	AP-ASE	-	2000	-	SM	-	m020	(Polarization)
			Wavelength region: 2μm		Spatial mode: SM = single mode		Output power: m020 = 20mW	(no spec) = random LP = linearly polarized

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