



1- Micron ASE Source

PRODUCT DATA SHEET

NP Photonics' 1-Micron ASE Source is a high performance, high power, low cost and reliable incoherent light Source for optical sensing, testing, and optical coherence tomography.

NP Photonics' 1-Micron ASE Source is a low cost, high performance ASE. This high power Source produces a broadband output spectrum of Amplified Spontaneous Emission (ASE) ranging from 1000 to 1065 nm. The ASE technology, developed at NP Photonics, offers high levels of power, spectral, and temperature stability for the most demanding ASE applications.

The 1-Micron ASE Source is a member of our ASE product family which covers a variety of wavelength ranges, spectral shapes, and output powers. All are available in convenient form factors including: OEM Module and Benchtop.

FEATURES

- >13 dBm (> 20 mW)
- High Power
- Wide bandwidth (> 65 nm)
- Turn-key system
- RS232 interface
- CDRH compliant
- Integrated pump laser
- Microprocessor control
- Monitoring electronics
- Customizable

APPLICATIONS

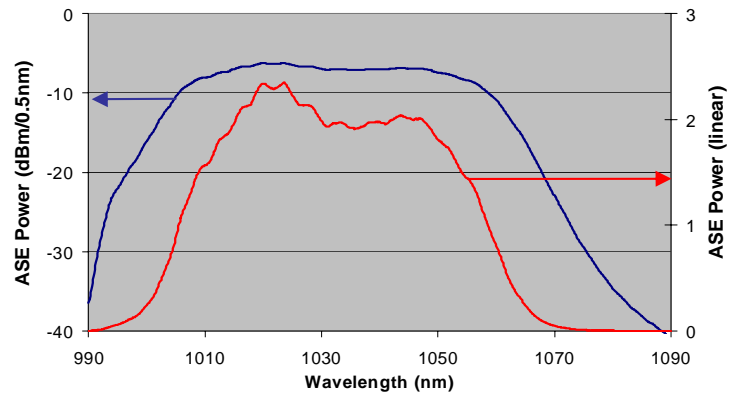
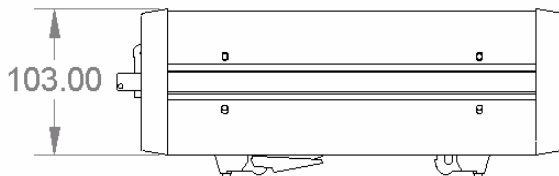
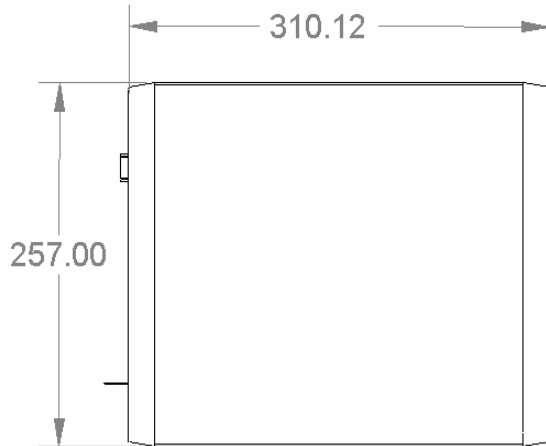
- Bio-medical imaging (OCT)
- Sensing
- Passive components testing
- Spectroscopy

PRODUCT SPECIFICATIONS

Parameter	Low Power	High Power	Extended Bandwidth
Wavelength range @ 3 dB	1000 - 1050 nm	1005 - 1055 nm	1005 - 1075 nm
Wavelength range @ 10 dB	995 - 1060 nm	1000 - 1065 nm	1000 - 1090 nm
Output Power (dBm)	> 7 dBm	> 13 dBm	> 12 dBm
Degree of Polarization	< 5%	< 5%	< 5%
Package Dimensions	310.12 x 257 x 103 mm	310.12 x 257 x 103 mm	310.12 x 257 x 103 mm

Mechanical Outline:

Typical Spectra:



Ordering Information:

- 1-M-ASE-LP-S (Low power 1 micron ASE Source)
- 1-M-ASE-HP-S (High power 1 micron ASE Source)
- 1-M-ASE-HPE-S (High power extended bandwidth ASE Source)



NP Photonics 1-Micron ASE Sources are protected by a 12-month warranty. All components and assemblies are unconditionally warranted to be free of defects in workmanship and materials for the warranty period, beginning from the date of shipment. This warranty is in lieu of all other warranties, expressed or implied, and does not cover incidental or consequential loss. This warranty does not apply to devices damaged due to operating conditions outside of the specified parameters. Modified warranties for OEM customers are available.

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Specifications subject to change without notice

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