



C&L- Band ASE Source

PRODUCT DATA SHEET

NP Photonics' C&L Band ASE Source is a high performance, high power, low cost and reliable incoherent light source for sensing and testing.

NP Photonics' C&L Band 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 1525 to 1610 nm. The ASE technology, developed at NP Photonics, offers high levels of power, spectral, and temperature stability for the most demanding ASE applications.

The C&L Band 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

- Full C&L Band operation
- 13, 17, & 19 dBm
- Wide bandwidth
- Turn-key system
- RS232 interface
- CDRH compliant
- Integrated pump laser
- Microprocessor control
- Monitoring electronics
- Customizable

APPLICATIONS

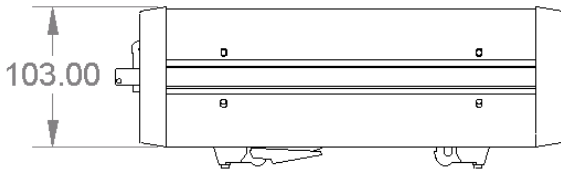
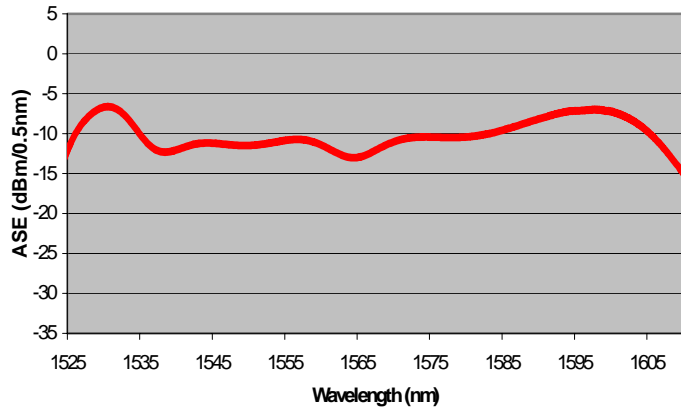
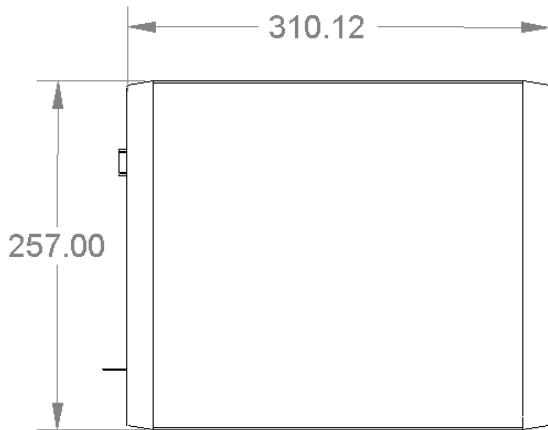
- Sensing
- Passive components testing
- Bio-medical imaging source
- Spectroscopy

PRODUCT SPECIFICATIONS

Parameter	Value
Wavelength Range	1525 to 1610 nm
Output Power	13, 17, & 19 dBm
Output Power Stability (dB) (1 hr) at fixed ° C	< ± 0.01
Minimum spectral power density (dBm/nm)	-12
Optical Bandwidth @ 10 dB point	> 85 nm
Output Polarization (Degree of Polarization)	< 5%
Package Dimension	310.12 x 257 x 103 mm

Mechanical Outline

Typical Spectra:



Ordering Information:

- ASE-CL-13-S (ASE, C&L Band with 13 dBm output power in a benchtop)
- ASE-CL-17-S (ASE, C&L Band with 17 dBm output power in a benchtop)
- ASE-CL-20-S (ASE, C&L Band with 19 dBm output power in a benchtop)

NP Photonics C&L Band ASE Modules 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.

9030 S. Rita Road, Suite 120
 Tucson, AZ 85747
 Telephone: + 1-520-799-7400
 Fax: + 1-520-799-7403
www.npphotonics.com
 E-mail: info@npphotonics.com



脉动科技有限公司
中国代理商

北京总部 地址: 海淀区中关村东路89号 恒兴大厦9C, 100190 电话: 010-62565117 010-84413925 传真: 010-62565117-11 邮箱: info@pulsepower.cn 官网: www.pulsepower.cn

上海办事处 021-32070812 西安办事处 029-87307077 深圳办事处 0755-27528760

Specifications subject to change without notice
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