



C&L- Band ASE Module

PRODUCT DATA SHEET

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

NP Photonics' C&L-Band ASE Module is a low cost, ultra-compact ASE source. This high power source produces a broadband output spectrum of Amplified Spontaneous Emission (ASE) ranging from 1525 to 1610 nm. The ASE Module 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 Module is a member of our ASE product family which covers a variety of wavelength ranges, spectral shapes, and output powers. Most are available in convenient form factors including: OEM Module and Benchtop.

FEATURES

- Full C&L Band operation
- 7, 10, 13, 17 & 19 dBm
- Integrated pump laser
- Microprocessor control
- Monitoring electronics
- Customizable

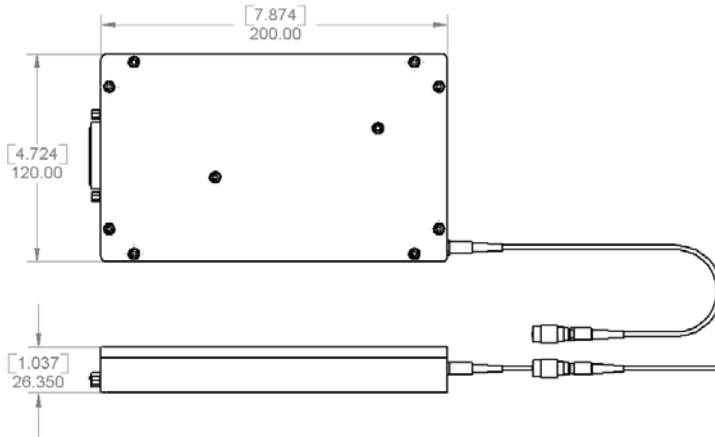
APPLICATIONS

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

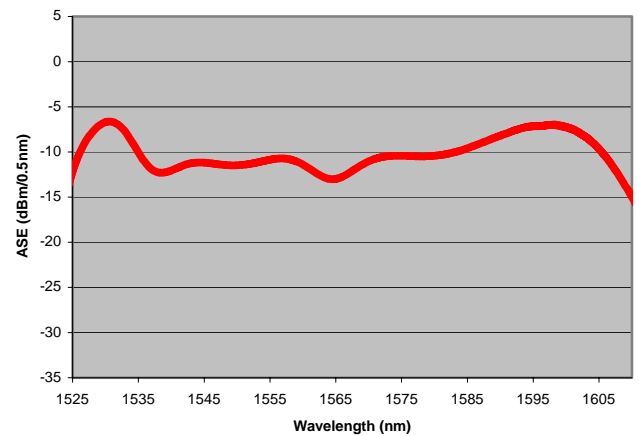
PRODUCT SPECIFICATIONS

Parameter	Value
Wavelength Range	1525 to 1610 nm
Output Power	7, 10, 13, 17 & 19 dBm
Minimum power stability (dB) (1 hr) at fixed °C	± 0.02 dB
Minimum spectral power density (dBm/nm)	-12
Optical Bandwidth @ 10 dB point	> 85 nm
Output Polarization (Degree of Polarization)	< 5%
Power Consumption	< 6 W
Package Dimension	200 x 120 x 26.35 mm

Mechanical Outline:



Typical Spectra:



Ordering Example: ASE-CL-M-13-0-U = C&L Band ASE with 13 dBm output power, unflattened, FC/APC connector, Module.

ASE-CL-M — [] — [] — []

Power	Code
7 dBm	7
10 dBm	10
13 dBm	13
17 dBm	17
19 dBm	19

Connector	Code	Flatness	Code
FC/APC	0	Unflattened	U
Custom	1	Flattened	F

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.

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Specifications subject to change without notice

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