

C-Band ASE Source

Compact ASE Benchtop Source



Features

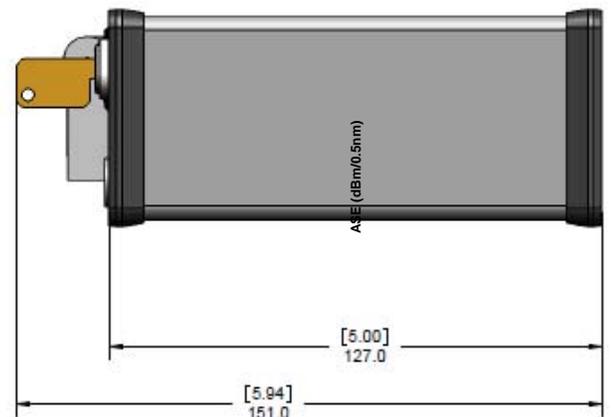
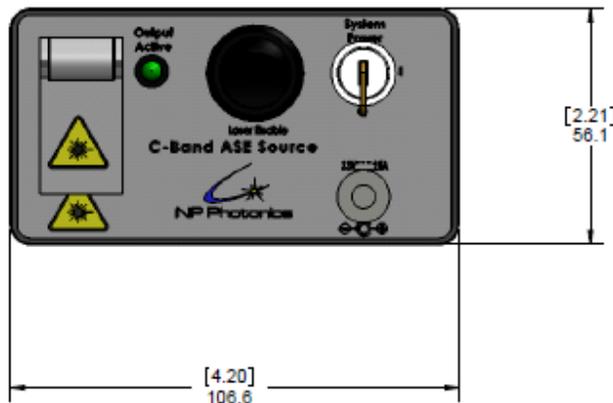
- Full C&L Band operation
- 13, 17, & 19 dBm
- Wide bandwidth
- Turn-key system
- CDRH compliant
- Integrated pump laser
- Microprocessor control
- Customizable

Applications

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

The C-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.

Mechanical Outline:



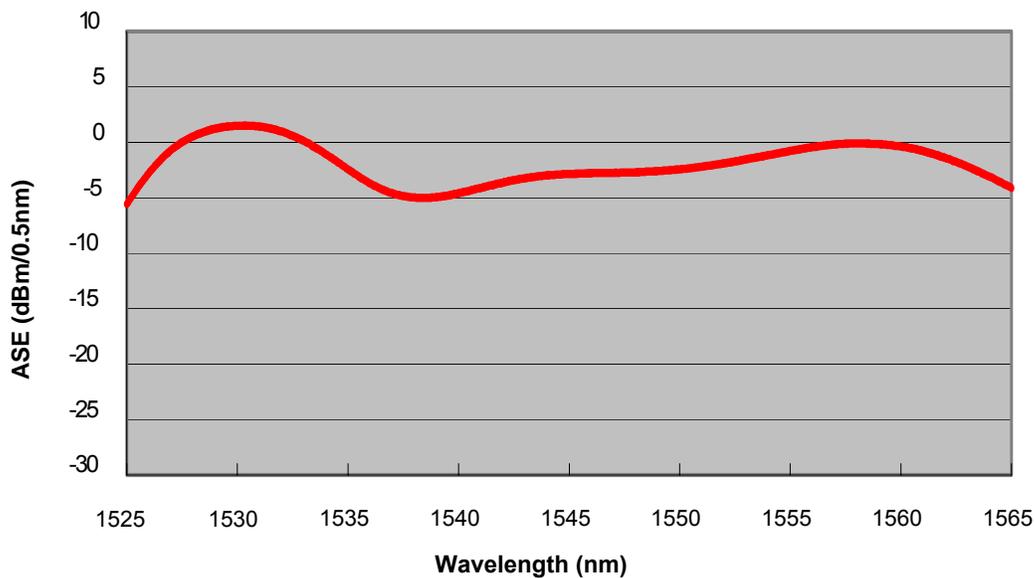
Performance | Reliability | Innovation

PRODUCT SPECIFICATIONS

Parameter

Wavelength Range	1525-1565 nm
Output Power	7, 10, 13, 17 or 19 dBm
Spectral Power Variation (dB)	< ± 5
Output Power Stability (dB) (1hr) at fixed ° C	< 0.04dB
Output Power Stability (dB) over 0-50 ° C	± 0.2
Output Polarization (Degree of Polarization)	< 5%
Power Consumption	<8.25 W, < 3W Typical
Supply Voltage	+3.3V ±5
Supply Voltage Noise Level	<50mW pk-pk
Supply Current	2.5A Max; 1A Typical (1)
Power Supply Capacitive Load	250uF Decoupling Inside Unit
Optical Bandwidth @ 10 dB point	> 40 n
Package Dimension	90 x 70 x 12 mm

Typical Spectra:



Ordering Example: ASE-C-S-13-U = C-Band ASE with 13 dBm output power, unflattened

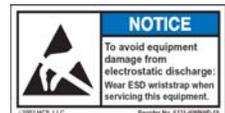
ASE-C-S



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



Spectral Flatness	Code
Unflattened	U
Flattened	F



NP Photonics C-Band 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 01-11 Rev.3