



C- Band ASE Source

PRODUCT DATA SHEET

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

NP Photonics' C-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 1565 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-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
- CDRH compliant
- Integrated pump laser
- Microprocessor control
- Customizable

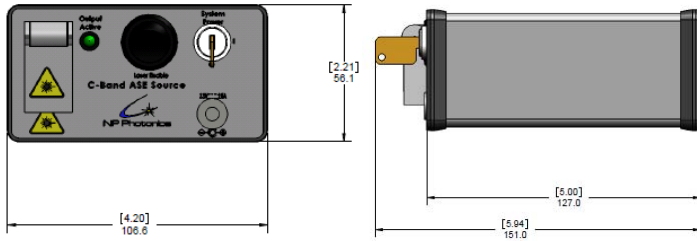
APPLICATIONS

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

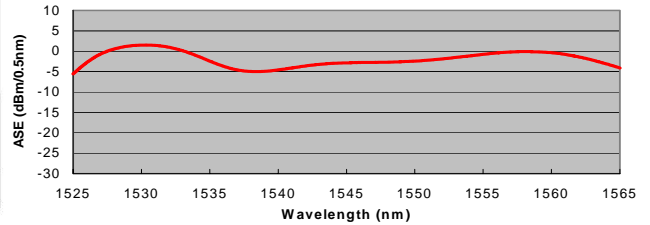
PRODUCT SPECIFICATIONS

Parameter	Value
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 nm
Package Dimension	127 x 106.6 x 56.1 mm

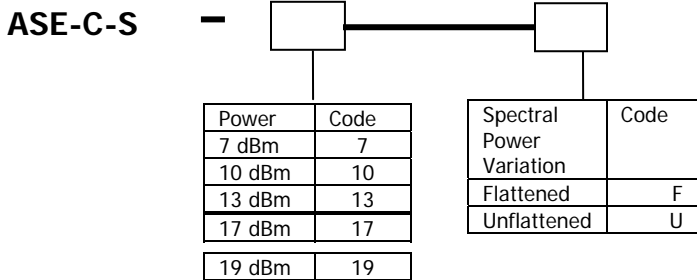
Mechanical Outline



Typical Spectra:



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



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.

**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**

