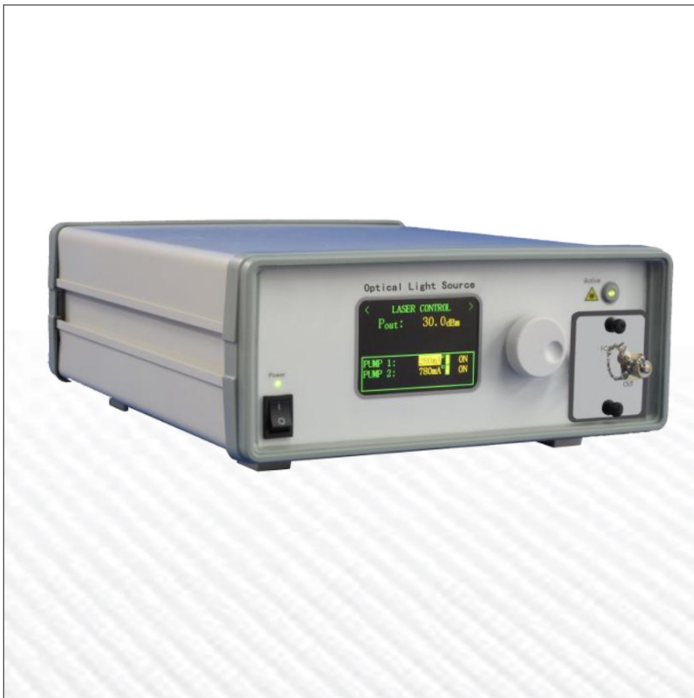




C-Band ASE Light Source, Benchtop 200 mW Output Power



C-Band ASE Light Source

- o Part Number: AMN-ASE-C-BAND-200MW
- o Output Power: 23 dBm (200 mW)
- o Wavelength Range: 1528 nm - 1564 nm
- o High Spectral Power Density
- o High Output Stability
- o FC/APC Output Fiber Connector



BENCHTOP C-BAND AMPLIFIED SPONTANEOUS EMISSION SOURCE

These ASE sources are 1550nm range C-band erbium doped fiber amplifier based broadband light sources. They are simple to operate, affordable benchtop instruments for laboratory research or manufacturing test applications. The user can adjust ASE settings through an easy to use front panel with an intuitive menu and control knob. Settings can also be made by remote interface. These units come with RS232 in the standard product offering, and an ethernet interface can be ordered as an option. LabVIEW based control software is available and ships free of charge. Please contact us if you would like to view the Operating Manual or see the remote interface command set.

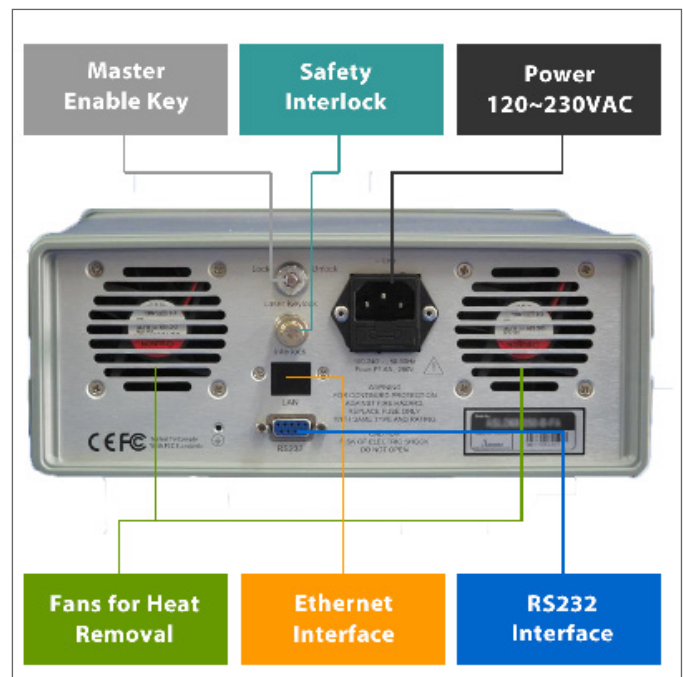
EXTENSIVE INTEGRATED ASE PROTECTION FEATURES

These broadband light sources offer an extensive array of integrated pump laser diode protection features. They offer current and voltage limits for the pump lasers as well as (TEC) over-temperature shut-down. Both of these functions protect the internal pump sources. The chassis is equipped with a BNC interlock to allow the user to set conditional shut-down conditions for the ASE.

Careful attention to component selection and circuit board design allow these 1550nm range ASE's to produce high gain at a low noise level. Noise levels of < 5 dB with a very flat gain profile over the C-Band make these instruments ideal for many applications.

**HIGH STABILITY
ASE BROADBAND
LIGHT SOURCE**

Spectral Range 1528nm - 1564nm
Spectral Density > +2 dBm/nm
Front Panel Interface + RS232





SPECIFICATIONS (TYPICAL @ T = 25 °C)

- Output Power Range: up to 23 dBm
- Operation Wavelength Range: 1535nm - 1563nm
- Min. Spectral Density: +2 dBm/nm
- Spectral Range: 1528 nm to 1564 nm
- Output Stability: ± 0.02 dB (over 8 hrs),
- Output Isolation: > 40 dB

USER INTERFACE

- Alphanumeric Color Front Panel Interface w/ Adjust Knob
- Remote: RS232, LabView Control Software Included
- Remote: RJ-45 (TCP/IP Ethernet optional)
- Optical Connector: FC/APC
- Optical Fiber Options: SMF-28 Fiber

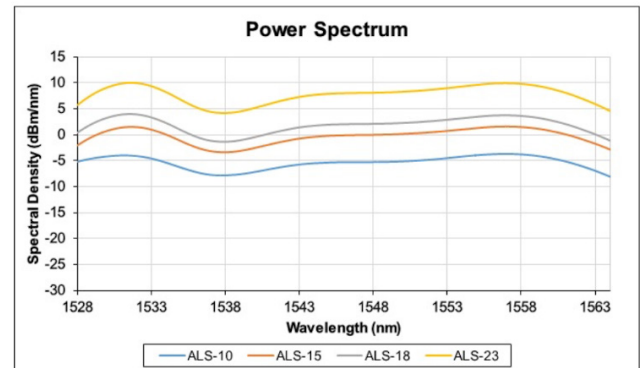
GENERAL SPECIFICATIONS (ALL MODELS)

- Operation Temperature: 0 to 40 °C
- Required Shore Power: 90-240 (VAC), 47-63 Hz
- Dimensions: 260mm x 330mm x 120mm
- Safety Control 1: Key-Lock Switch
- Safety Control 2: BNC Interlock

APPLICATIONS

- Laboratory R&D
- SONET/SDH System
- Optical Communications
- Fiber Optic Sensing
- CATV and Telecommunications R&D

C-Band ASE Power Spectrum



C-BAND ASE SOURCE MODELS; INQUIRE FOR DETAILS

- AMN-ASE-C-BAND-1MW; 10 dBm Output Power
- AMN-ASE-C-BAND-30MW; 15 dBm
- AMN-ASE-C-BAND-60MW; 18 dBm
- AMN-ASE-C-BAND-100MW; 20 dBm
- AMN-ASE-C-BAND-200MW; 23 dBm



Offered by
LASER LAB SOURCE



**LIGHT
SOURCES**

PRODUCT SALES AND SERVICE:

Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by Amonics, Ltd.

PRODUCT WARRANTY:

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



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