

JDSU BNS1415

Broadband Erbium ASE Source



Limited Availability
Used and in Excellent Condition

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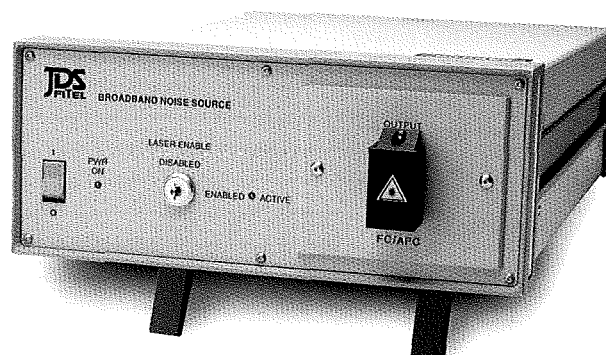
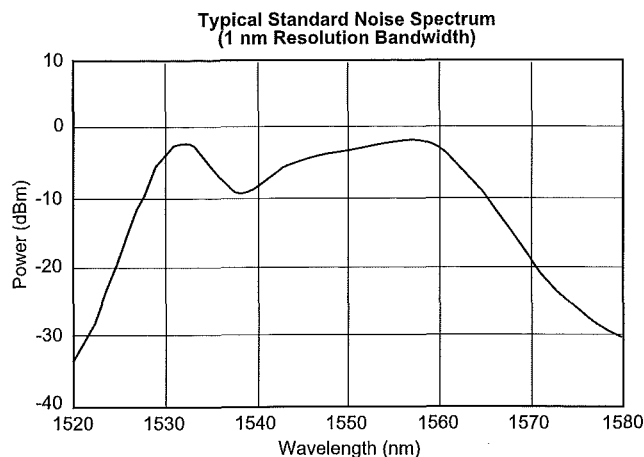
BNS1415

Optical Broadband Noise Source

Description

The BNS1415 is a low cost, high power, broadband, optical noise source instrument ideal for laboratory or field use. By optically pumping an erbium-doped fiber, the unit produces an unpolarized, spontaneous emission noise signal that occupies the entire 1550 nm window. The BNS1415 instrument is available in a compact, low cost benchtop package.

Performance



Key Features

- High power, broadband noise output
- High stability
- Turn-key operation
- FC/APC bulkhead interface

Applications

- Spectral measurements of couplers, WDMs, isolators, and other optical components
- Noise loading in system experiments
- Polarization mode dispersion (PMD) measurements

Options

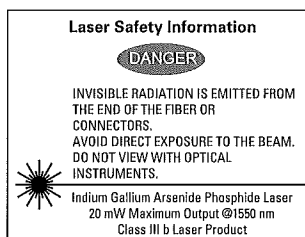
- Industry standard connector or pigtail interfaces
- Integration with JDS FITEL optical components
- Increased output power

Specifications

Parameter	Specification
Total optical noise power	>12 dBm minimum
Optical noise spectral density	>-10 dBm (1 nm resolution bandwidth) from 1528 to 1564 nm
Optical output stability	0.05 dB (12 hours at constant temperature)
Output return loss	>55 dB (with FC/APC connector)
Power	110 to 240 V AC
Package	half rack benchtop
Dimensions (WxHxD)	21.2 x 8.9 x 35.5 cm
Weight	<4 kg
Operating temperature	0 to 50 °C
Storage temperature	-10 to 60 °C
Humidity	maximum 95% RH non-condensing

Safety Information

The BNS1415 Optical Broadband Noise Source instrument can deliver fiber-coupled output power of up to 20 mW at 1550 nm.



Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact your local JDS FITELE sales representative or JDS FITELE directly at (613)727-1303, or by fax (613)727-8284, or via e-mail at sales@jdsfitele.com.

Sample: BNS1415+1130FP10

BNS1415+1

Code	BNS1415 Model
0	Standard
1	High powered
2	Flattened

Code	Pigtail Type
0	Without pigtail
E	900 µm tight buffer
L	3.0 mm jacketed cable

Code	Connector Type
FP	FC/HPC
FA	FC/APC
SC	SC/HPC
SU	SC/APC
SP	ST/HPC

Code	Dual Output
0	Without
1	With ²

Code	Spectrum
0	Standard
1	Pseudo-gaussian ³

Code	Port Type
1	Bulkhead on front ¹
3	Pigtails on front

1. FC/HPC or FC/APC connectors only.
 2. 3 dB splitter at output.
 3. This option only available for "Standard"
 BNS1415 Model (Code 0) ex: BNS1415+10...

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