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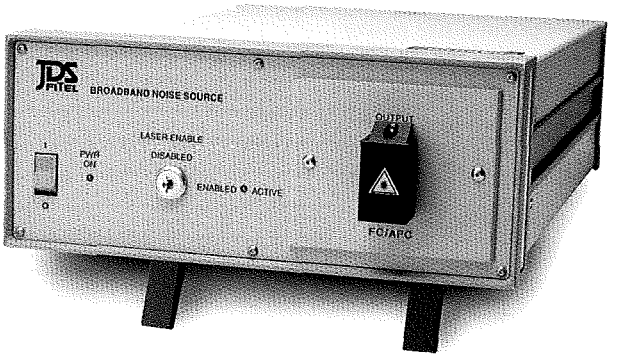
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Find the *VIAVI Solutions / JDSU BNS1415* at our website: *Click HERE*

BNS1415
Optical Broadband Noise Source



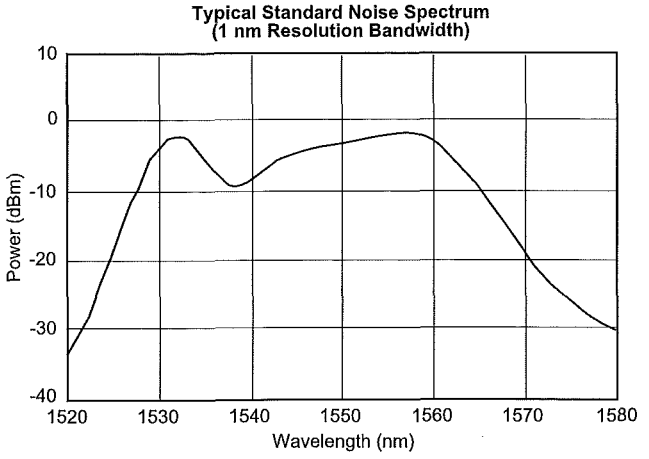
Description

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.

Key Features

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

Performance



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

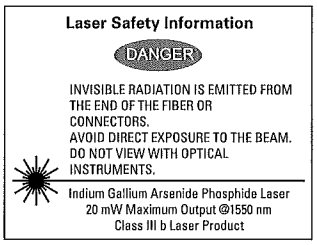
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Specifications

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 FITEL sales representative or JDS FITEL directly at (613)727-1303, or by fax (613)727-8284, or via e-mail at sales@jdsfitel.com.

Sample: BNS1415+1130FP10

BNS1415+1 ☐ ☐ ☐ ☐ ☐ ☐ ☐

Code	BNS1415 Model
0	Standard
1	High powered
2	Flattened

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

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]

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...

All information contained herein is believed to be accurate and is subject to change without notice. No responsibility is assumed for its use. As this is a new/advanced product, JDS FITEL or manufacturer are likely to make changes, and reserves the right to do so, without notice, to product design, product components, and product manufacturing methods. Some specific combinations of options may not be available. Please contact JDS FITEL for more information.
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