

Ultra-Narrow Linewidth Laser

Single Frequency Laser in Plug & Play Module



BF9



BF10



BF11



BF12

Greater Convenience for You: Plug & Play Package in BF9/BF10/BF11/BF12 Series

We have packaged our DL-CLS series of 14 pin butterfly Ultra-Narrow Linewidth Laser into a complete solution that incorporates a high precision controller for high output level and excellent stability of the laser diodes output; giving you greater convenience of usage!

		Direct Modulation	
		no	yes
Wavelength dial-tuning	no	BF9	BF10
	yes	BF11	BF12

PRODUCT OFFERINGS

- A selection of models are currently available for immediate evaluation
- DenseLight offers rapid turnaround prototyping to meet your specific needs
- Ability to ramp to high volume
- Fast and responsive customer support

APPLICATIONS

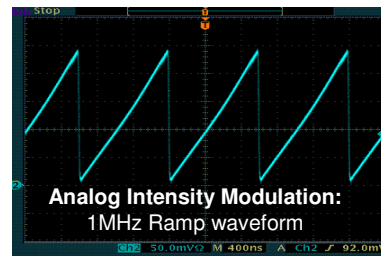
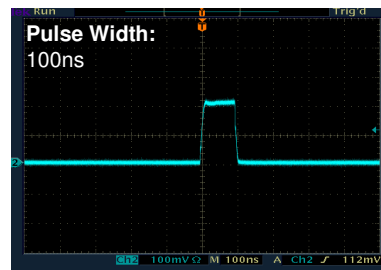
- B-OTDR Sensing and Strain Monitoring (Brillouin Optical Time Domain Reflectometry)
- Optical Metrology and Instrumentation
- Optical Gas and Chemical Sensing
- Free Space Coherent communications

BF9 & BF10 Series

Product Description

The DenseLight DL-BF9/BF10-CLSxxxB-Syyyy is a series of ultra narrow linewidth laser designed for applications in optical metrology & instrumentation and optical gas & chemical sensing, requiring narrow spectral linewidth, excellent SMSR, power stability, and a very highly wavelength stable laser output. The DL-BF9/BF10-CLSxxxB-Syyyy is complete with a DenseLight 14-pin BTF package laser, integrated laser driver and temperature controller. It is available over a wide wavelength range across the O, E, S, C and L bands, and can be customized with various options to meet your specific needs. The DL-BF10 series comes with 2 direct modulation inputs (analog input: BW 20MHz & digital input: BW200MHz).

- Wavelength from 1200nm to 1670nm
- Wavelength stability better than +/-1pm
- Typical linewidth of <10KHz to 50KHz
- Typical SMSR of >40dB
- Built-in current driver and temperature controller
- Single +5.0V power supply
- RoHS Compliance, Telcordia GR-468-CORE
- Integrated optical isolator
- Optical output: SMF-28/ PMF cable with FC/APC or FC receptacle
- Dimension: L120 x W93 x H36.5 mm



BF11 & BF12 Series

Product Description

The DenseLight DL-BF11/BF12-CLSxxxB-Syyyy-zz is a series of tunable single frequency laser designed for applications in optical metrology & instrumentation and optical gas & chemical sensing, requiring narrow spectral linewidth, excellent SMSR, power stability, and a very highly wavelength stable laser output. The DL-BF11-CLSxxxB-Syyyy-zz is complete with a DenseLight 14-pin BTF package laser, integrated laser driver & temperature controller, and 10-Turn dial controlled electronics for picometer precision wavelength tuning over the selected tuning range. DenseLight DL-BF11-CLSxxxB-Syyyy-zz is available over a wide wavelength range across the O, E, S, C and L bands, which can be customized with various options to meet your specific needs. The DL-BF12 series comes with 2 direct modulation inputs (analog input: BW 20MHz & digital input: BW200MHz).

FEATURES

- Wavelength stability better than +/-1pm
- Typical linewidth of <10KHz to 50KHz
- Typical SMSR of >40dB
- Wavelength tuning range >100pm/10GHz
- RoHS compliance, Telcordia GR-468-CORE
- Optical output: FC receptacle
- Integrated optical isolator
- Dimension: L120 x W93 x H36.5 mm

