

## Coaxial Laser Source

### 1. Description:

The full band wavelength laser light source module adopts DFB semiconductor laser, adjustable power, professional designed high precision and high stability current drive control board to ensure laser safety and stability, low noise work, low cost, compact size, easy integration, and is widely used in scientific research, communication, medical treatment, spectral analysis, bioengineering and other fields.

### 2. Features:

- Optional wavelength: 650nm-1650nm;
- Power 1-10mW (Benchtop knob adjustable);
- Single mode or multimode fiber;
- Customizable specification.



### 3. Application:

- Optical fiber sensing;
- Optical fiber communication;
- Optical device test;
- Scientific research, etc..

### 4. Electro-Optical Characteristics:

Parameters	Unit	Value	Note
Operating wavelength	nm	650-1650	Customized
Output power	mW	5/10/20	Customized
Spectral width(-20dB)	nm	≤ 2.5	
Side mode suppression ratio	dB	> 40	
Optical isolator	dB	> 30	CWDM
Short-term stability	dB	≤ ±0.02/15 min	
Long-term stability	dB	≤ ±0.05/8 hours	
Fiber type	-	SMF-28e	Customized
Fiber connector	-	FC/APC	Customized
Demension	mm	200(L)×150(W)×70(H)	Benchtop
		130(W)×80(D)×50(H)	Module
Power supply	V	220VAC	Benchtop
		5VDC	Module
Operating temperature	℃	-20 ~ +65	
Storage temperature	℃	-40 ~ +85	

**5. Package size:**



**6. Ordering information:**

Type	Wavelength	Power	Fiber type	Connector	Package
<b>BCLD</b>	<b>-XXXX</b>	<b>-XX</b>	<b>XX</b>	<b>-XX</b>	<b>-X</b>
Coaxial Laser Souce	650: 650nm 785: 780nm 850: 850nm 980: 980nm 1310: 1310nm CWDM wavelength	05: 05mW 10: 10mW 20: 20mW	SM: SM9/125 M5: 50/125um M6: 62.5/125um	FA: FC/APC SA: SC/APC Other	M: Module B: Benchtop