840nm 20mW SLD Broadband Light Source

1. Description:

The 840nm SLD broadband light source adopts semiconductor super radiation diode technology to output broadband spectrum and has high output power, which is suitable for optical fiber sensing and other applications. Communication interface and host computer software can be provided to facilitate the monitoring of light source status.

2. Features:

- Ultra wide spectrum;
- Low spectral ripple;
- 20mW High output power;
- Customizable size.

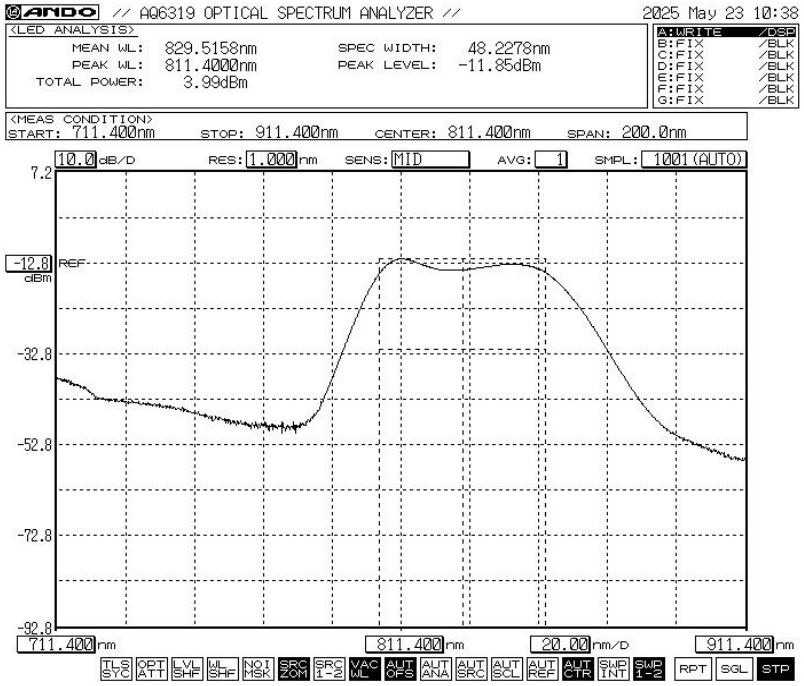
3. Application:

- Industrial OCT technology;
- Optical fiber sensing;
- Medical imaging;
- Optical coherence tomography.

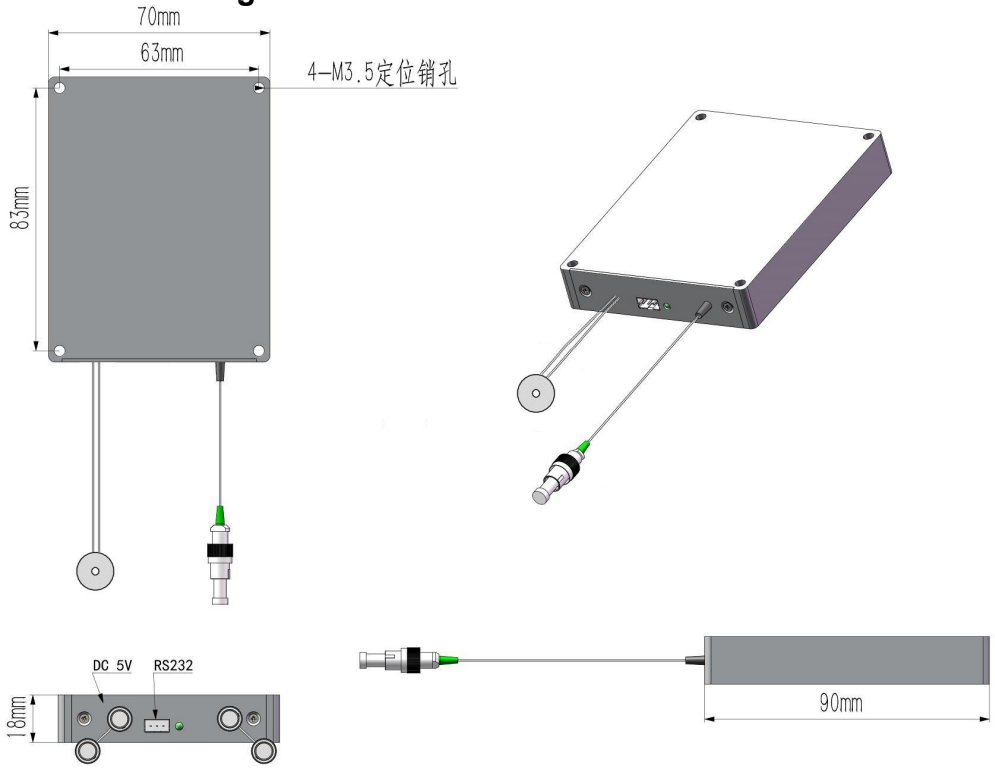
4. Electro-Optical Characteristics:

Parameters	Unit	Value	Note
Operating wavelength	nm	840	±20
Output power	mW	>20	Customizable
-3dB Bandwidth	nm	>45	
Short-term stability	dB	≤±0.02/15 min	
Long-term stability	dB	≤±0.05/8 hours	
Optical isolator	dB	Without	
Fiber connector	-	FC/APC	Customized
Fiber type	-	CS780 or PM850	
Demension	mm	195(W)×220(D)×120(H)	Benchtop
		70(W)×90(D)×18(H)	Module
Power supply	V	AC 110~240V	Benchtop
		DC 5V/4A	Module
Communication interface	-	DB9 Female(RS484)	Module
Operating temperature	℃	-5 ~ +55	
Storage temperature	℃	-40 ~ +85	

5. Typ. characteristic curve:



6. Dimension diagram



7. Ordering information:

Product	Wavelength	Output power	Fiber type	Connector	Package
BSLD	-XXXX	-XX	XX	-XX	-X
SLED laser source	840: 840nm	20: 20mW	SM: CS780 PM: PM780	FA: FC/APC SA: SC/APC	B: Benchtop M: 70*90mm