

SLD Broadband Light Source

1. Description:

The SLD broadband light source adopts semiconductor super radiation diode technology to output broadband spectrum and has high output power. The operating wavelength can be selected from O, s, C, I and other bands, 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;
- Flat spectrum;
- Customizable size.



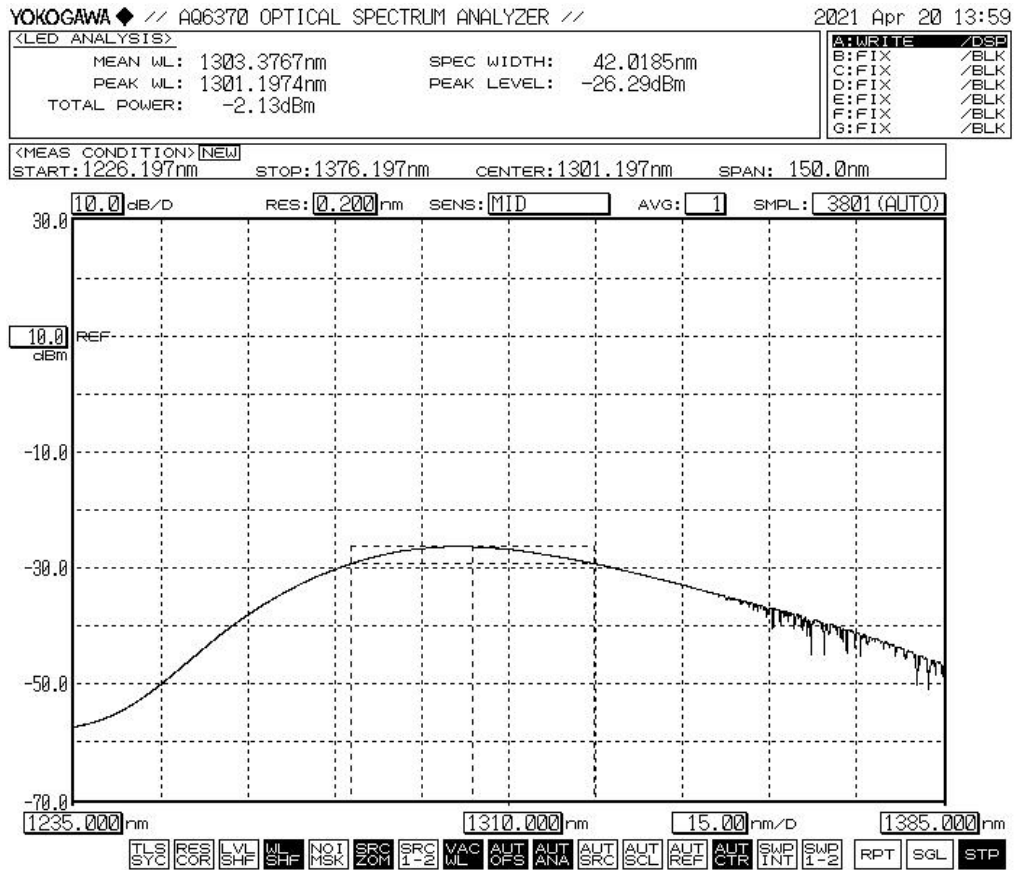
3. Application:

- Optical fiber sensing;
- Medical imaging;
- Optical fiber device test.

4. Electro-Optical Characteristics:

Parameters	Unit	Value	Note
Operating wavelength	nm	850, 1310, 1450, 1550	±20
Output power	mW	1/5/10/15	Customizable
Spectral power density	dBm/nm	≥-25	
Spectral ripple	dB	< 0.2	
Short-term stability	dB	≤ ±0.02/15 min	
Long-term stability	dB	≤ ±0.05/8 hours	
Fiber connector	-	FC/APC	
Fiber type	-	SMF-28e/PM Fiber	
Demension	mm	195(W)×220(D)×120(H)	Benchtop
		125(W)×150(D)×20(H)	Module
Power input	V	AC 110~240V	Benchtop
		DC 5V/4A	Module
Communication interface	-	DB9 Female(RS232)	
Operating temperature	°C	-5 ~ +55	
Storage temperature	°C	-40 ~ +85	

5. Typ. characteristic curve:



6. Ordering information:

Product	Wavelength	Output power	Fiber type	Connector	Module size
BSLD	-XXXX	-XX	XX	-XX	-X
SLED laser source	840: 840nm 1310: 1310nm 1550: 1550nm	01: 1mW 05: 5mW 10: 10mW 15: 15mW	SM: Single Fiber PM: PM fiber	FA: FC/APC SA: SC/APC Other	M: Module B: Benchtop