

## Dual Emitter Laser Source Module

### 1. Description:

Box optronics independently developed dual emitter wavelength laser source adopts DFB semiconductor laser chip, single-mode fiber output, professional design of driving circuit and TEC control to ensure the safe and stable operation of laser.

### 2. Features:

- Dual emitter wavelength optional;
- High output power;
- Power and spectral stability;
- Module with software control.

### 3. Applications:

- Laser source testing;
- Passive device testing.

**BOX**  
Optronics Tech

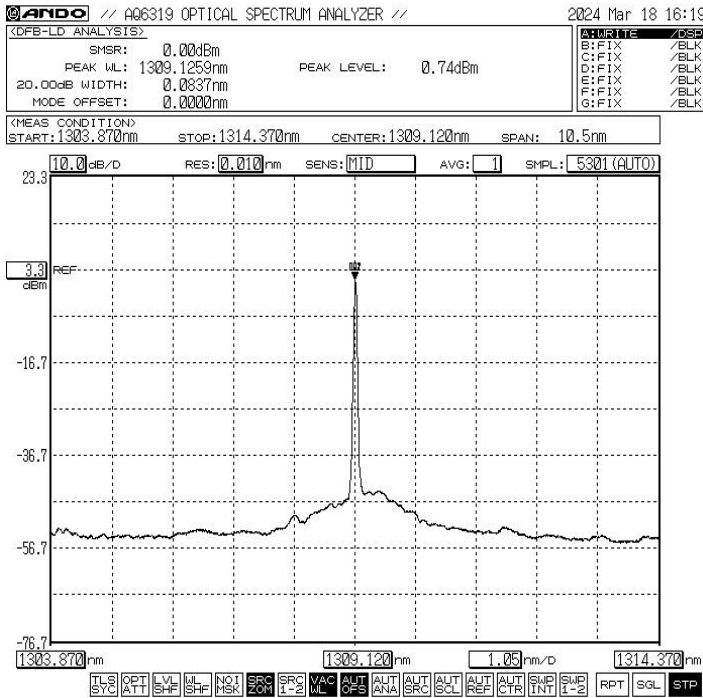


### 4. Electro-Optical Characteristics:

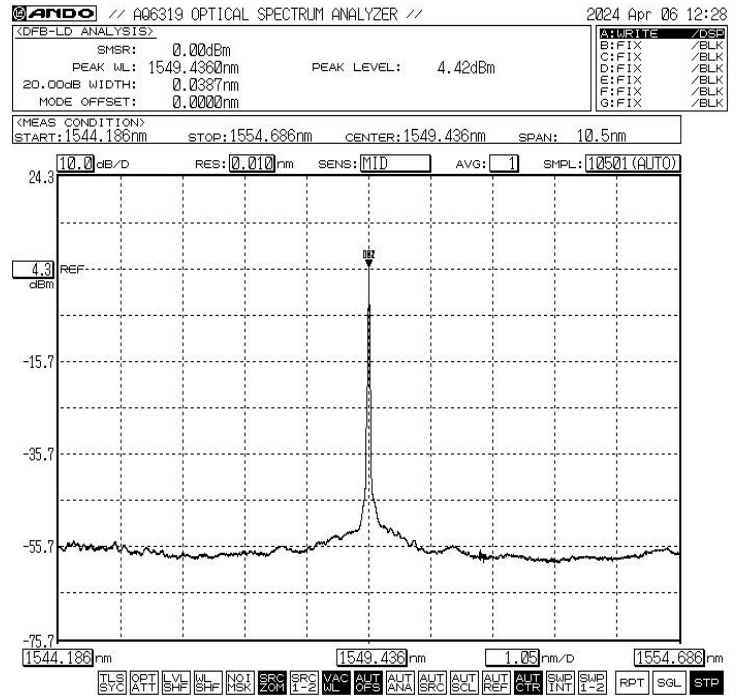
Parameters	Unit	Values	Notes
Operating wavelength	nm	1310, 1550 <sup>①</sup>	Optional
Output power	mW	10-100	Optional
Spectral linewidth	MHz	3	Other
Side mode suppression ratio	dB	>30	
Power instability (Short-term 15mins)	dB	$\leq \pm 0.02$	
Power instability (Long-term 8hours)	dB	$\leq \pm 0.05$	
Connector	-	FC/APC	
Fiber type	-	SMF-28/PM1550	Optional
Dimensions	mm	150(W)×125(D)×20(H)	Module
Power supply	V	DC 5V/4A, <15W	Module
Power dissipation	W	$\leq 60$	
Operating temperature	°C	-5 ~ +55	
Storage temperature	°C	-40 ~ +85	

①CWDM, DWDM DFB dual emission with optional wavelength.

**5. Typical Characteristical Curve:**



1310nm Optical spectrum



1550nm Optical spectrum

**6. Ordering information:**

Laser type	Wavelength	Output power	Fiber type	Connector	Dimension
BLD	-XXXX	-XX	XX	-XX	-X
Fiber Laser	3155: 1310,1550nm 1030nm,1064nm CWDM, DWDM Customized	10: 10mW 20: 20mW 40: 40mW 1H: 100mW Other	SM: SMF-28e PM: PM1550	FA: FC/APC SA: SC/APC Other	M: Module