

1550nm DFB Laser Source

1. Description:

1550nm DFB single 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:

- High output power;
- Power and spectral stability;
- Module or Benchtop package;
- Color LCD status display.



3. Applications:

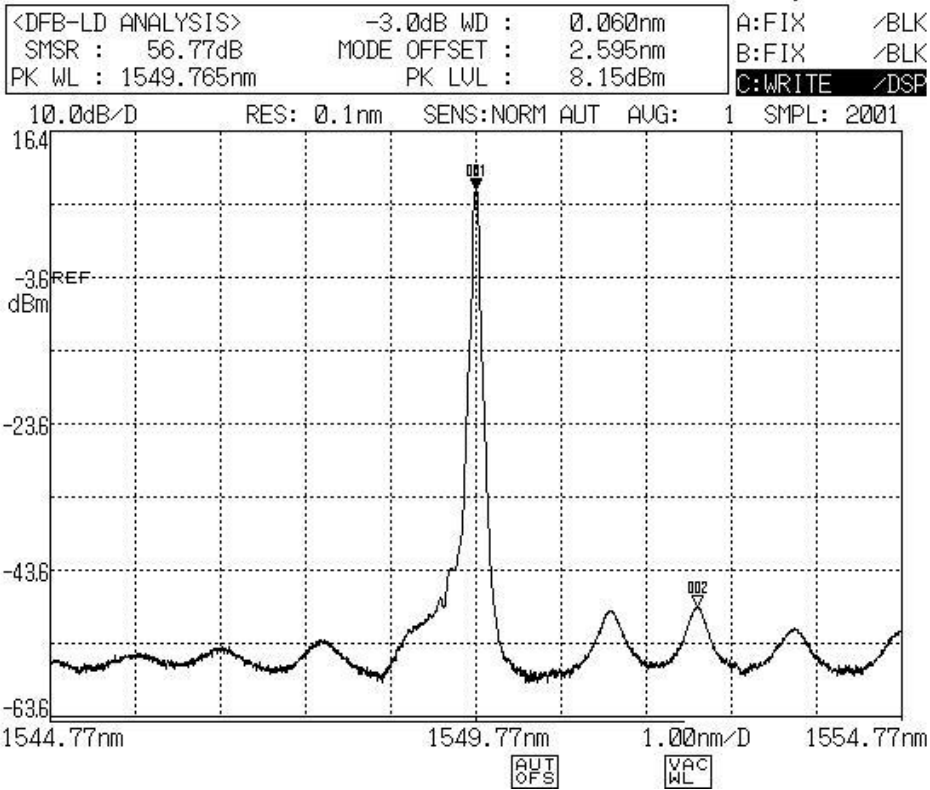
- Fiber laser pumping;
- Erbium-doped fiber amplifier;
- Nonlinear optics research.

4. Electro-Optical Characteristics:

Parameters	Unit	Values	Notes
Operating wavelength	nm	1550nm	
Output power	mW	10-100	
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	
Dimensions	mm	195(W)×220(D)×120(H)	Benchtop
		150(W)×125(D)×20(H)	Module
Power supply	V	AC 110~240V, <20W	Benchtop
		DC 5V/4A, <15W	Module
Power dissipation	W	≤ 60	
Operating temperature	°C	-5 ~ +55	
Storage temperature	°C	-40 ~ +85	

5. Typical Characteristical Curve:

2019 May 15 13:10



6. Ordering information:

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