

980nm Pump Laser Source

1. Description:

980nm laser source adopts butterfly semiconductor laser chip with fiber FBG frequency lock, professionally designed drive circuit and TEC control to ensure safe operation of the laser, stable output power and spectrum. Suitable as a pump laser source for fiber lasers or EDFA fiber amplifiers, it can be provided in a desktop or modular package.

2. Features:

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



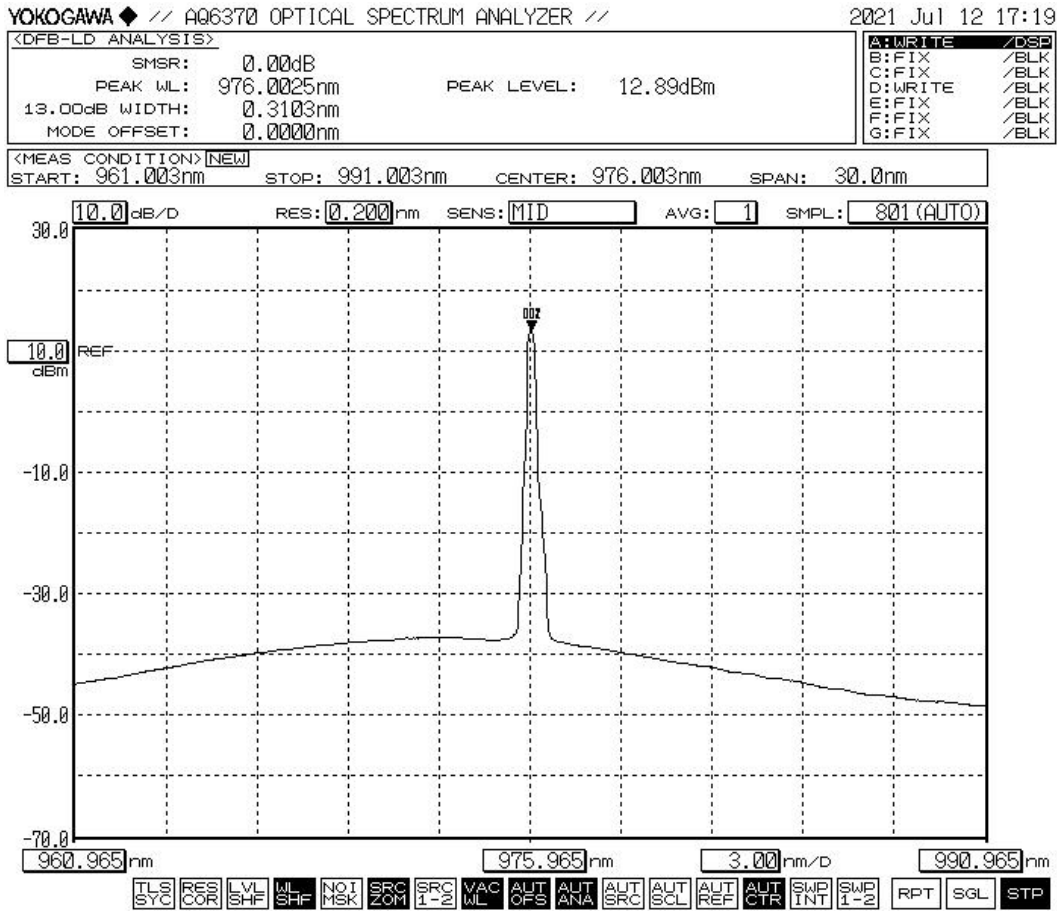
3. Applications:

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

4. Electro-Optical Characteristics:

Parameters	Unit	Values	Notes
Operating wavelength	nm	974±1, 976±1	
Output power	mW	200-700	
Power instability (Short-term 15mins)	dB	≤±0.02	
Power instability (Long-term 8hours)	dB	≤±0.05	
Connector	-	FC/APC	
Fiber type	-	Hi1060/PM980	
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:



6. Ordering information:

Laser type	Wavelength	Output power	Fiber type	Connector	Dimension
BLD	-XXX	-XX	XX	-XX	-X
Fiber Laser	974: 974nm 976: 976nm	2H: 200mW 4H: 400mW 6H: 600mW Other	SM: Hi1060 PM: PM980	FA: FC/APC SA: SC/APC Other	B: Benchtop M: Module