

1457nm Raman Pump Laser Source

1. Description:

The 1457nm band laser diode module with fiber bragg grating designed for Raman fiber amplifier and Er doped fiber amplifier, professionally designed drive circuit and TEC control to ensure safe operation of the laser, stable output power and spectrum. it can be provided in a desktop or modular package.

2. Features:

- 400mW High output power;
- Power and spectral stability;
- Module or Benchtop package.

3. Applications:

- Raman fiber amplifier;
- Er doped fiber amplifier.



4. Electro-Optical Characteristics:

Parameters	Unit	Values	Notes
Operating wavelength	nm	1457 ± 1	
Output power	mW	400-450	
Power instability (Short-term 15mins)	dB	≤ ± 0.02	
Power instability (Long-term 8hours)	dB	≤ ± 0.05	
Connector	-	FC/APC	
Fiber type	-	SMF-28e	
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. Ordering information:

Laser type	Wavelength	Output power	Fiber type	Connector	Dimension
BLD	-XXX	-XX	XX	-XX	-X
Fiber Laser	1457: 1457nm	4H: 400mW	SM: SMF-28e	FA: FC/APC SA: SC/APC Other	B: Benchtop M: Module