

## 975nm High Stability Multi-mode Pump Laser Sources



### Description

The 975nm multi-mode pump laser sources of Idealphotonics Laser are designed for high power fiber laser and amplifier as high-stability pump source. It has high power and high brightness output. A single emitter pump diode laser is installed inside. The 975nm multi-mode pump laser sources of Idealphotonics Laser adopt a built-in isolated diode laser, which is able to realize 30dB isolation of the backward ASE, thus avoiding the damage caused by ASE to pump diode laser.

The Multi-mode pump laser sources of Idealphotonics Laser are highly integrated system sources. The benchtop sources use high-definition LCD which displays the current and voltage synchronously and have continuously adjustable output power; suitable for scientific research and manufacturing testing. In addition, Idealphotonics Laser can provide compact module package for system integration.

### Feature

- High output power
- Wavelength-Stabilized optional
- Built-in feedback protection
- High stability and high reliability

### Application

- Pump for double- clad fiber laser, fiber amplifier
- Spectral analysis
- Test and measurement
- Other lab applications



## Specification

Parameter	Unit	Specifications		
		Min	Typ.	Max
Part No.		IDP-980-B		
Output power <sup>1</sup>	W	9	-	25
Peak operation wavelength <sup>2</sup>	nm	970	975	985
Spectral width (FWHM)	nm		5	7
Output isolation <sup>3</sup>	dB	25	30	-
Stability of output power (15min) <sup>4</sup>	%	-	±0.1	±0.5
Stability of output power (8h) <sup>4</sup>	%	-	±1.0	±2.0
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse/fine		
TEC Stability	℃	-	±0.1	±0.2
TEC Operating range	℃	25	30	35
Operating voltage	VAC	170	220	260
Power consumption <sup>5</sup>	W	-	-	100
Operating temperature	℃	0	-	50
Storage temperature	℃	-40	-	85
Output fiber type		105/125 NA=0.15		
Length of output fiber	m	> 1		
Output fiber connector		FC/APC(other options available)		
Dimension	mm	335(L)×280(B)×150(H)		

- 1.Output power on request , typical output power: 9W、25W;
- 2.Otherl operating wavelength available; 915nm、940nm;
- 3.Isolation refers to the feedback of ASE;
- 4.The output power stability is measured under 25℃ , 30 minutes after warm-up;
- 5.The max power consumption refers to extreme temperature conditions.

## **Ordering Information :**

IDP-980-P-PW-<SP>

P:Package, B-Benchtop, M-Module

PW: Output power in W, example:9-9W, 25-25W

SP: Feedback protection, 0-None, 1-Yes

**【 Notice 】** Idealphotonicslaser provides different pump protection solutions according to different wavelength fiber lasers and amplifiers. If you need, please contact us for more professional support.