

## 1060nm SLD Benchtop Light Source 5mW



- **Product Description**

Idealphotonics' modular laser control is based on an advanced microprocessor control system, combined with high-precision ATC and ACC (APC) control circuits to achieve highly stable laser output, while ensuring that the light source is quick and intuitive to operate. We can also provide corresponding communication interfaces and control software according to user requirements to achieve computer control. This light source uses a one-key recovery function (Run/Stop button) to effectively help customers return to the previous working state. This is a highly integrated modular

system light source that uses PC-side software intelligent control. Customers can set the required working temperature and current according to their needs. It is very suitable for experimental scientific research and production testing. In addition, we need to modulate the laser in some application fields. We have connected two external modulation ports, one for high frequency and one for low frequency, to better meet customers' needs for multiple uses of one machine.

- **Product features**

Support one-key restore function (no need to restart and preheat) 、 Software remote control, intelligent control 、 Stable output power, continuously adjustable、 Compact structure、 High-precision ACC and ATC control circuit、 Built-in high and low modulation bandwidth BNC interface

- **Part Number**

MP-SLDS-1060-5-60-PM-B

- **Application area**

Fiber optic transmission system、 Fiber optic gyroscope、 Fiber optic sensor、 Optical coherence tomography、 Test light source

## ● Core parameters

Center Wavelength	Output Power	Spectral Width
1060nm	5mW	60nm

## ● General Parameters

### Driver Parameters

characteristic	Min.	Max.	Unit	Note
Power supply voltage	100	230	VAC	Mains electricity
power	5	20	W	
Laser driver current	0	128 266 590	mA	patch cord can choose
Laser driver voltage	0	3.1	V	
Response frequency	0	15	MHz	@250mA
Temperature control range	0	5	°C	-3db
TEC output current	-1.5	1.5	A	
TEC output voltage	-4.4	+4.4	V	
Analog input (low frequency)	-2.5	2.5	V	

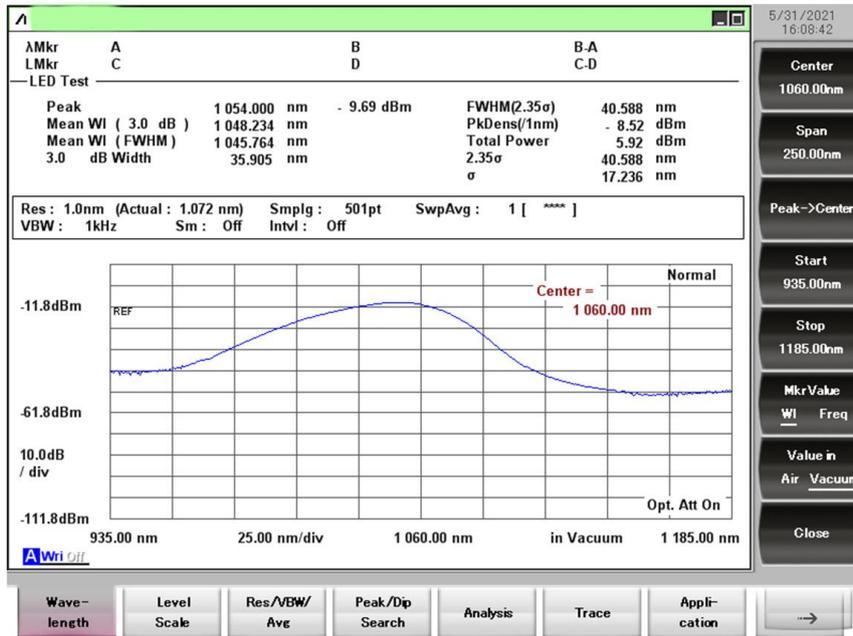
Analog input (High frequency)	-2.5	2.5	V	
PD monitoring range	0	2	mA	

## Laser parameters

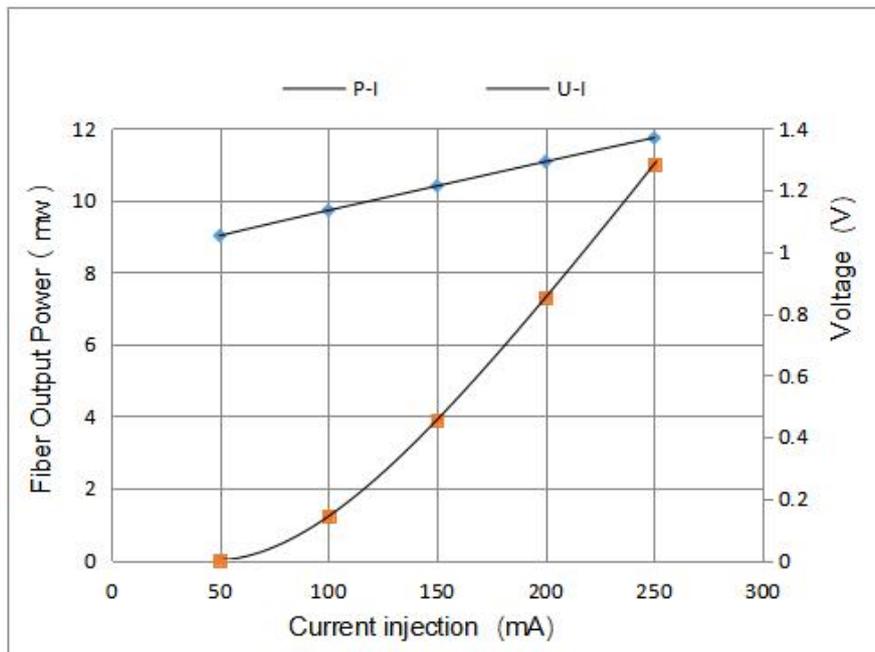
Parameters	Symbol	Min.	Typical value	Max.	Unit
Wavelength	$\lambda$		1060		nm
Spectral width	$\Delta\lambda$	50	60	70	nm
Threshold current	$I_{th}$		30	40	mA
Operating current	$I_{op}$		200	300	mA
Output power	$P_f$	3	5	10	mW
Polarization extinction ratio	PER	17	20		dB
Fiber type	HI1060 / PM980				
Operating voltage	$V_f$		1.8	2.5	V
Thermistor	$R_T$	9.5	10	10.5	K $\Omega$
Connector type	FC/APC				



## Test spectrum



## Power curve





## Control software interface

