

## 1064nm SLD Light Source



### Description

Idealphotonics offers different equipments to the optical communication industry. Our main products include both optical source and transmitter for converting an electrical signal into an optical signal, followed by passing through optical fiber and multiple kinds of amplifiers for signal modification, and finally optical receivers to recover the signal to electrical signal. The information transmitted can be digital or analogue generated by computers, telephone systems, and cable television companies.

The most commonly-used optical light source is semiconductor devices such as light-emitting diodes (LEDs) and laser diodes. The main difference between LEDs and laser diodes is that LEDs produce incoherent light, while laser diodes produce coherent light. Idealphotonics offers two light sources that are high output power and stable -Superluminescent Diodes (SLDs) and DFB lasers. Superluminescent Diodes (SLDs) are incoherent broadband sources with broad wavelength coverage, but DFB lasers are narrow linewidth light sources with high side mode suppression ratios.

### Feathure

- Wide spectral range
- High output power
- Good spectral stability
- Compact size
- Good performance cost ratio
- Two year warranty

### Application

- Fiber optical sensing
- Optical tomography
- DWDM component characterization
- Optical gyroscope

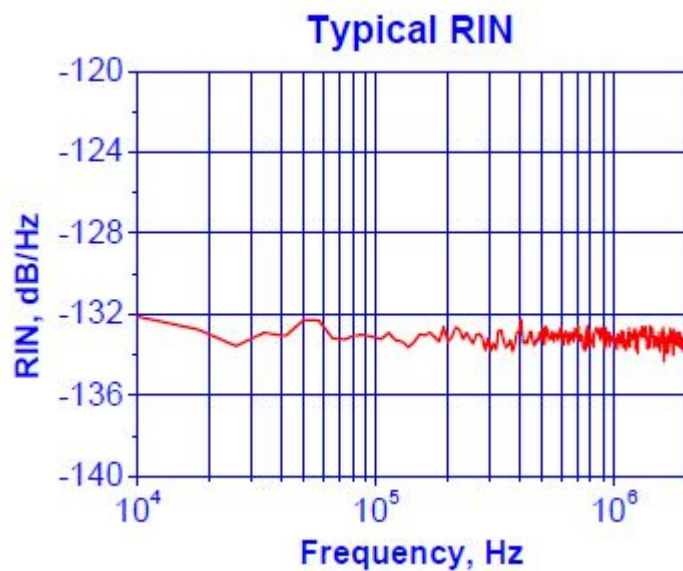
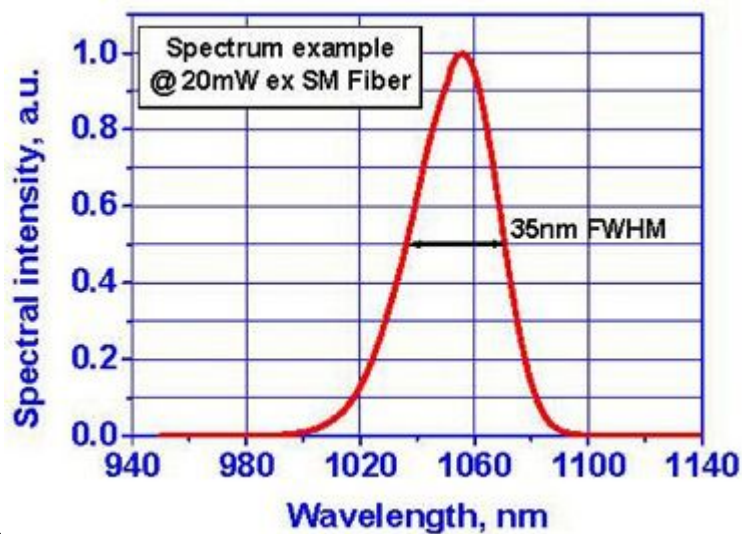
## Specification

Parameter	Unit	Specification		
		Min	Typ	Max
Part NO.		VSLS-1060-B		
Output power <sup>1</sup>	mW	1.5	-	50
Central wavelength	nm	1030	-	1070
spectrum width, (FWHM)	nm	30	-	70
spectral modulation	dB	-	-	0.45
Spectrun flatness	dB	-	3	-
Output isolation <sup>2</sup>	dB	30	-	-
Short-term stability, (15min)	%	-	-	±0.5
Long-term stability, (8hours)	%	-	-	±1.5
Output power Adjustable rang	%	0	-	100
Adjustable Mode		Coarse/Fine		
Power supply	VAC	170	220	260
Power consumption	W	-	-	5
Operation Temperature	℃	0	-	50
Storage Temperature	℃	-40	-	85
Fiber type <sup>3</sup>		SM (PM fiber optional)		
Fiber length	m	> 1		
Output Connector		FC/APC, Customized		
Dimension	mm	270(L)×235(W)×105(H)		

1.The output power will decrease by 20%,because of the insertion loss of the isolator;

2.SLD (SLED) light source is sensitive to reflection light, Idealphotonics strongly recommends that you use the light source with isolator;

3.Not all the SLD lightsource with PM output fiber is available.PLease contact Idealphotonics Salesstaff for details.



Part NO.	Output power <sup>1</sup> (mW)	FWHM(nm)	Part NO.	Output power <sup>1</sup> (mW)	FWHM(nm)
IDP-1060-B-1.5	1.5	70	IDP-1060-B-10	10	70
IDP-1060-B-5	5	35	IDP-1060-B-20	20	35
IDP-1060-B-5	5	70	IDP-1060-B-20	20	70
IDP-1060-B-10	10	30	IDP-1060-B-30	30	35

## Ordering information

IDP-1064-B-SLD-<PW>-<SP>

B: Benchtop

PW: output power,unit:mW.eg: 10-10mW, 05-5mW

SP: Output isolator 0-without, 1-with