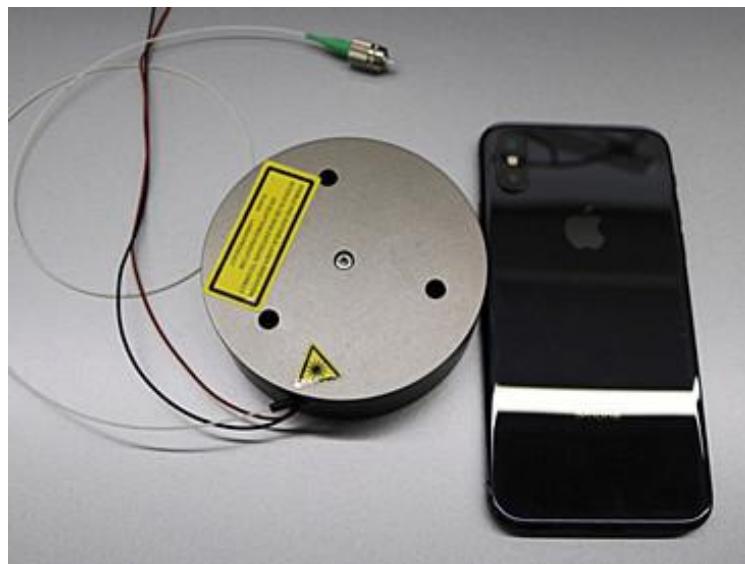


## C Band Ultra Compact ASE Broadband Light Source



### Description

LD-PD's 1.5 $\mu$ m ASE light sources series provide broad wavelength range covering from C to L band and high output power to help you maximize your capabilities of optical component spectral measurements and systems compliance tests both in manufacturing and R&D environments. We special design Ultra compact module package for Customer' s system integration.

### Features

- Single mode output fiber (PM fiber optional)
- Ultra Compact Size
- High stability and high reliability
- High flatness and low ripple

### Application

- Components testing
- Optical fiber sensor system
- Fiber optic gyroscope
- Spectrum Analysis
- Other lab applications

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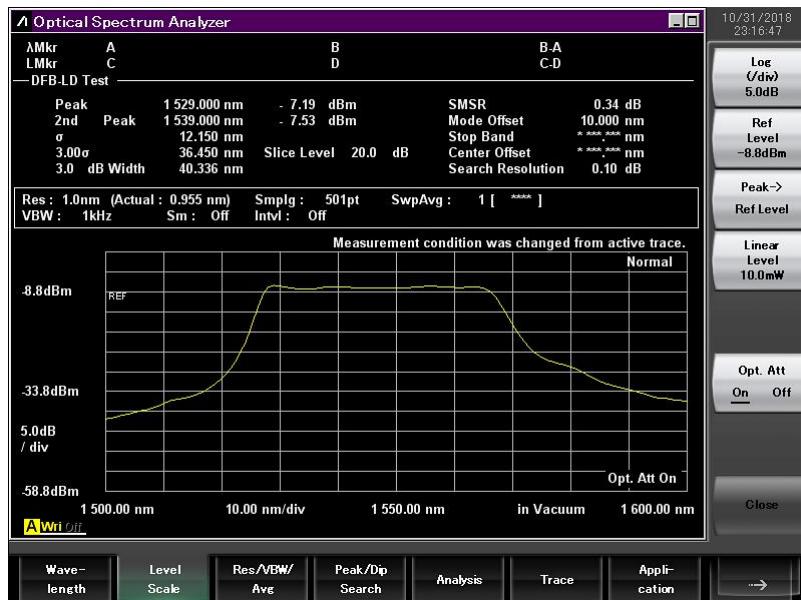
## Specifications

### Product parameter

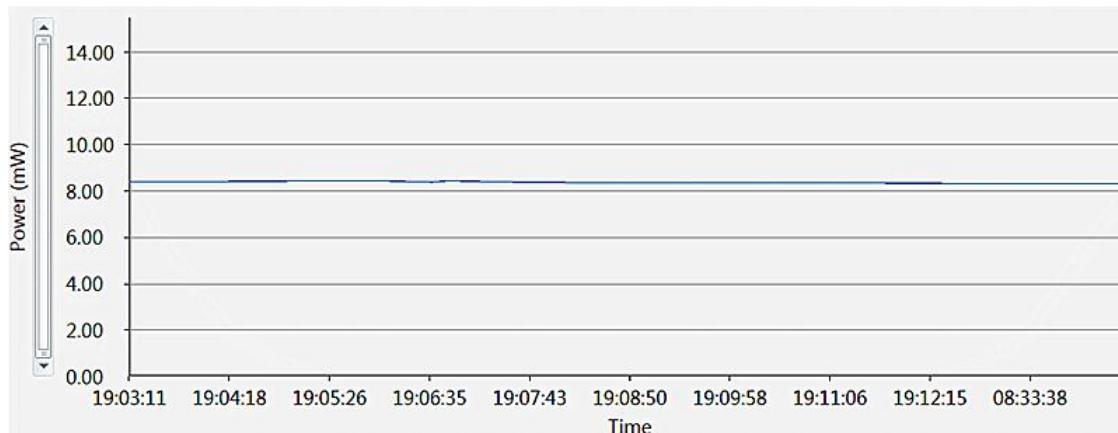
Parameters	unit	Specs		
		Min	Type	Max
Part No.				
Output Power <sup>1</sup>	mW	10	-	200
Operating Wavelength	nm	1528	-	1561
Spectral Width (FWHM)	nm	-	40	-
Spectral Flatness (Standard)	dB	-	-	7
Spectral Flatness (Gain Flatness)	dB	-	1	1.5
Output Isolation	dB	30	35	-
Stability of Output Power (15min) <sup>2</sup>	%	-	±0.5	±1.0
Stability of Output Power (8h) <sup>2</sup>	%	-	±1.0	±2.0
Operating Voltage/Current	VAC		+5V/2A	
Power Consumption <sup>3</sup>	W	-	-	20
Operating Temperature	°C	-10	-	50
Storage Temperature	°C	-40	-	85
Output Fiber Type (Single Mode)		SMF 9/125um NA=0.13		
Output Fiber Type (PM)		Panda 1550 NA=0.13		
Polarization Extinction Ratio (PER)	dB	> 17 (PM output fiber)		
Output Fiber Length	m	> 1		
Output Fiber Connector		FC/APC (other options available)		
Dimensions	mm	270(D)×235(T)		

1. The output power is optional with the typical output power of 10mW, 20mW, 50mW, 100mW and 200mW;
2. The output power stability is measured under 25°C, after 30 minutes' warm-up;
3. The max power consumption refers to the consumption under the extreme temperature conditions.

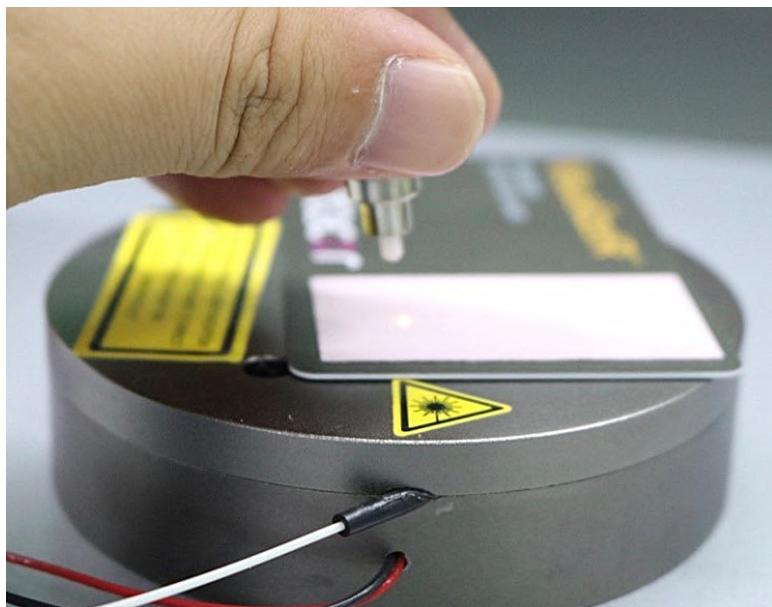
## Spectrum



## 10 Hours Power stability



## Beam Test



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**Ordering Info****PL-LS-☆-A8▽-XX**

☆ :Output Power

A:10mW

B:20mW

C:50mw

D:100mw

E: 200mw

▽:Wavelength

1:C Band

2:L Band

3: C+L Band

XX: Fiber and Connector Type

SA=SMF-28E+ FC/APC

SP=SMF-28E+ FC/PC

PP=PM Fiber+ FC/PC

PA=PM Fiber+ FC/APC

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