

## STW Series Fiber Coupled Laser Diode

**P/N: STW-LP-850-120m-M-PD**

850nm 120mW~130mW coaxial fiber coupled laser diode/ built-in PD  
 840nm~850nm/ 120mW pigtailed diode laser module/ 60μm 105μm MM fiber

**Features:**

- 850nm
- MM fiber
- Coaxial or B82 package
- Built-in PD



**Applications:**

- Medical laser treatment
- Printing

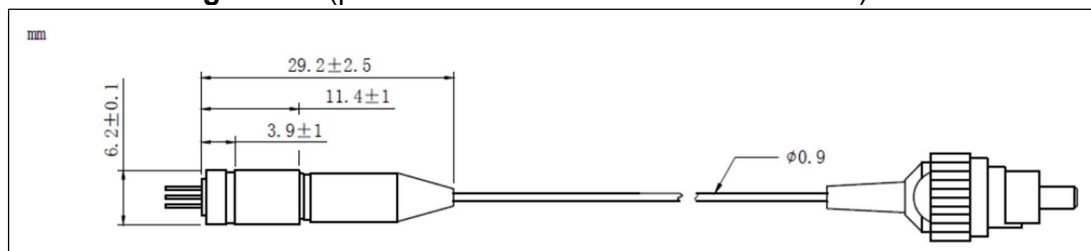
**Absolute maximum ratings:**

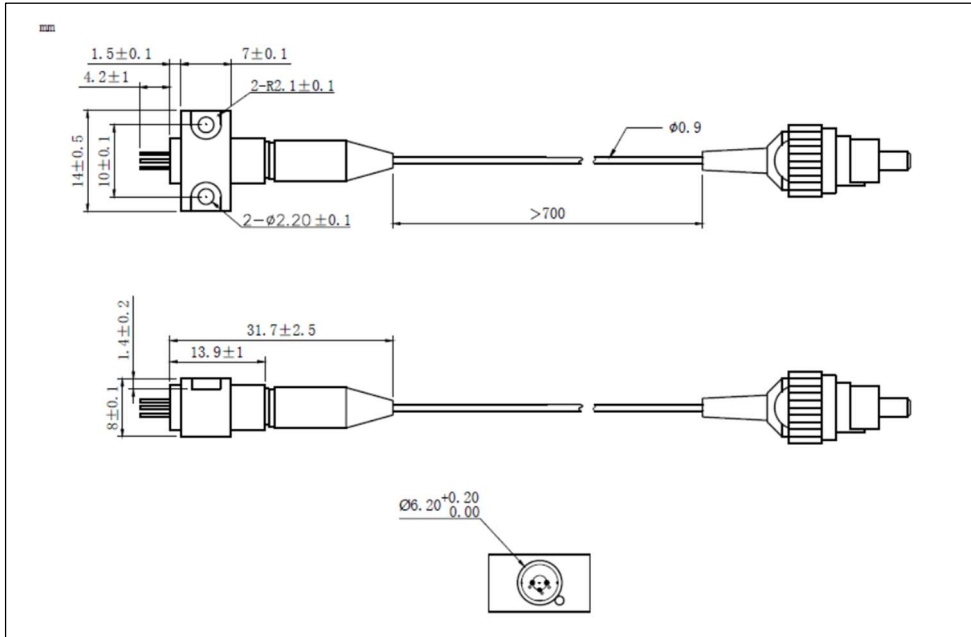
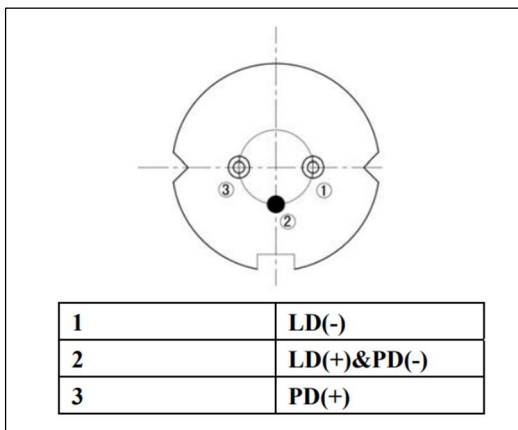
Parameter	Symbol	Value	Unit
Reverse voltage	$V_r$	2.0	V
Operating temperature	$T_{op}$	-10 ~+60	°C
Storage temperature	$T_{stg}$	-40~+85	°C
Lead soldering temperature (10s)	$T_{is}$	260	°C

**Specifications:**

Parameter	STW-LP-850-120m-M-PD		
	Min	Typ	Max
Center wavelength @ 25°C	840nm	850nm	860nm
Spectral width (FWHM)	-	2.0nm	-
Output power	-	120mW	-
Fiber core	105μm		
Recommended operating temperature	25°C		
Monitor current	-	0.3mA	-
PD reverse voltage	-	-	30V
Fiber connector	FC/SC/SMA905		
Fiber length	-	80cm	100cm
Threshold current (Typ.)	-	50mA	100mA
Operating current (Typ.)	-	200mA	220mA
Operating voltage	-	2.5V	3.0V
Package style	Coaxial or B82		

**Coaxial Package View:** (part number : STW-LP-850-120m-M-PD)



**B82 Package View: (part number: STW-LP-850-120m-M-B-PD)**

**PIN Bottom View:**


Electrically shorten LD module and store in non-extreme conditions.  
Suggest using the constant current power supply.

