



## SPL488-10-3

- Blue Pigtailed Laser Diode
- 488 nm, 10 mW
- 3  $\mu\text{m}$  Single Mode Fiber
- FC/PC connector
- Heat Sink



### Description

**SPL488-10-3** is a blue pigtailed laser diode, typically emitting at 488 nm with an output power of 10 mW. It comes in a coaxial package with integrated heat sink, and **3  $\mu\text{m}$  Single Mode fiber** with FC/PC connector.

### Maximum Rating

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	$V_R$		2.0	V
Operating Temperature	$T_{OPR}$	- 10	+ 60	$^{\circ}\text{C}$
Storage Temperature	$T_{STG}$	- 40	+ 85	$^{\circ}\text{C}$
Soldering Temperature (max. 3s)	$T_{SOL}$		+ 260	$^{\circ}\text{C}$



### Electro-Optical Characteristics ( $T_{CASE} = 25^{\circ}\text{C}$ )

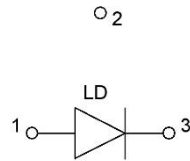
Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	$\lambda_P$	480	488	495	nm
Output Power	$P_O$		10		mW
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Operating Voltage	$V_F$		6.5	7.5	V
Threshold Current	$I_{th}$		25	60	mA
Operating Current	$I_F$		110	130	mA
Fiber Specification	type	Single Mode			
	core	3			$\mu\text{m}$
	connector	FC/PC *			
	length	80			cm

\* optional: SC or SMA905

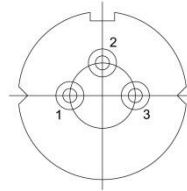


## Electrical Connection

Pin Configuration*	
Pin #	Function
Pin 1	LD anode
Pin 2	n.c.
Pin 3	LD cathode

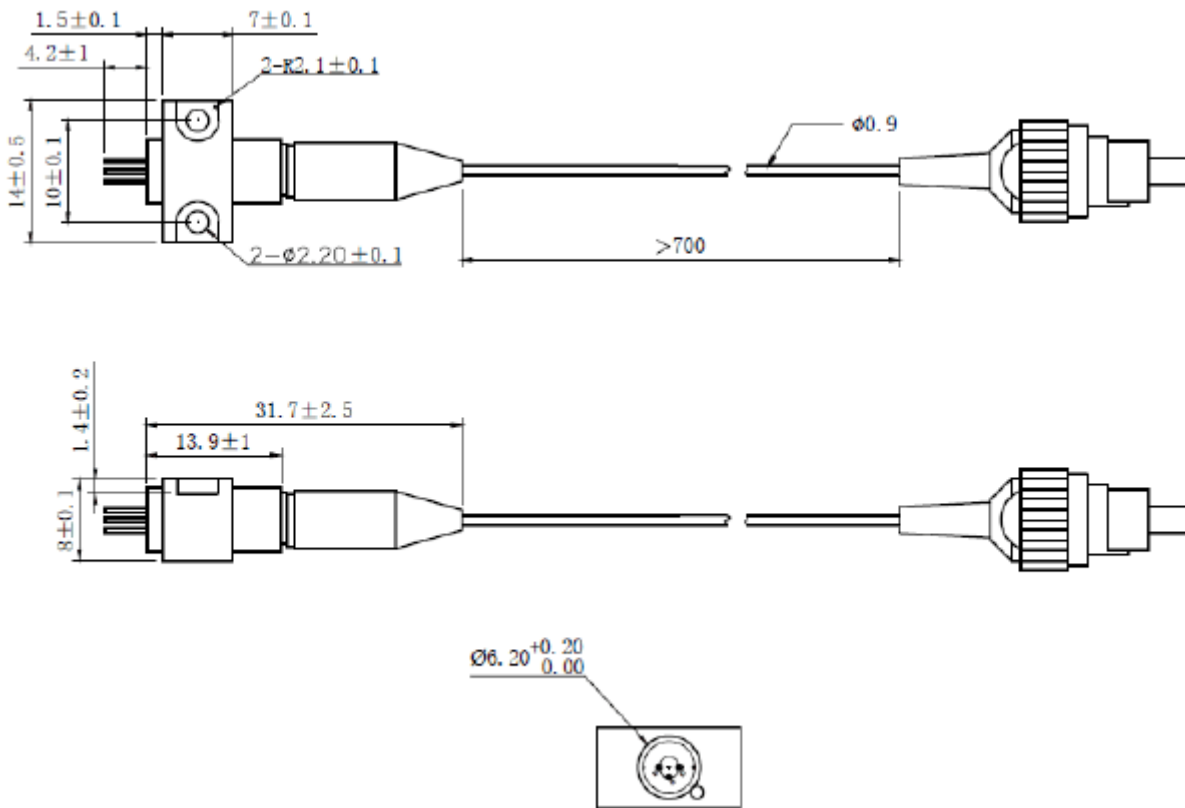


## Bottom View



\* subject to change

## Outline Dimension



All dimensions in mm