

## SPL405-15-3

- Violet Pigtailed Laser Diode
- 405 nm, 15 mW
- 3  $\mu$ m UV Single Mode Fiber



### Description

**SPL405-15-3** is a violet pigtailed single mode laser diode, typically emitting at 405 nm with an output power of 15 mW. It comes in a coaxial package with **3  $\mu$ m UV single mode fiber** and FC/PC connector and **preinstalled heatsink** (see drawing on page 2).

If you require a closer peak wavelength selection to  $\pm 5$  nm, or other fiber connector like SC or SMA905, please contact us directly.

### Electrical Connection

Pin Configuration*		Bottom View	
PIN #	Function		
1	LD Anode		
2	GND		
3	LD Cathode		

\* subject to change

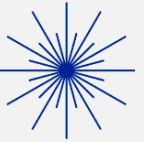
### Maximum Rating (T<sub>CASE</sub> = 25°C)

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	V <sub>R</sub>		2.0	V
Operating Temperature	T <sub>OPR</sub>	- 10	+ 70	°C
Storage Temperature	T <sub>STG</sub>	- 40	+ 85	°C
Soldering Temperature (max. 3s)	T <sub>SOL</sub>		+ 260	°C

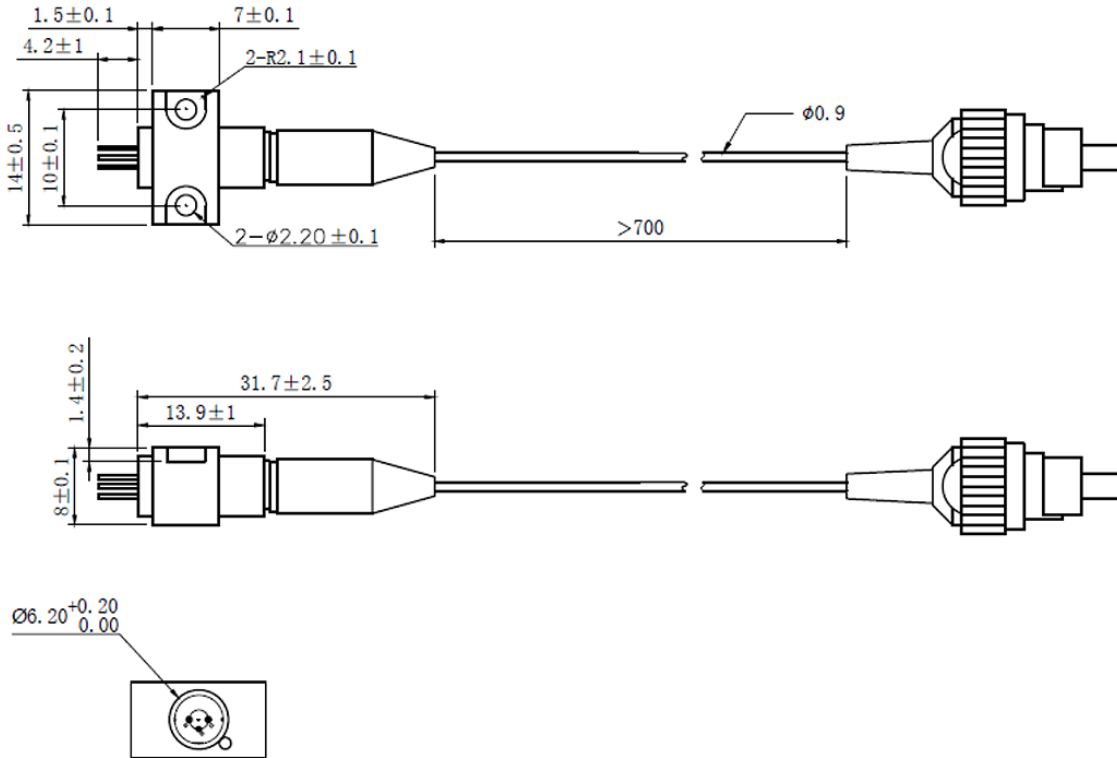


### Electro-Optical Characteristics (T<sub>CASE</sub> = 25°C)

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	$\lambda_P$	395	405	415	nm
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Output Power	P <sub>O</sub>		15		mW
Operating Voltage	V <sub>F</sub>		5.0	6.0	V
Threshold Current	I <sub>th</sub>		35	70	mA
Operating Current	I <sub>F</sub>		90	110	mA
Fiber Specification	core		3		$\mu$ m
	connector		FC/PC		
	length		80	100	cm



## Outline Dimensions



All dimensions in mm

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The above specifications are for reference purpose only and subjected to change without prior notice