



SPL405-15-3-PD

- Violet Pigtailed Laser Diode
- 405 nm, 15 mW
- 3 μ m UV Single Mode Fiber
- Integrated Monitor Photodiode



Description

SPL405-15-3-PD 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 μ m UV single mode fiber** and FC/PC connector, integrated PD and **preinstalled heatsink** (see drawing on page 2).

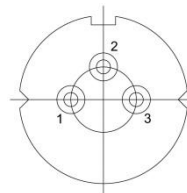
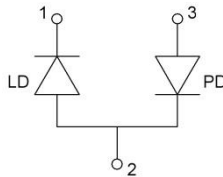
If you require a closer peak wavelength selection to ± 5 nm, or other fiber connector like SC or SMA905, please contact us directly.

Electrical Connection

Pin Configuration*

Bottom View

PIN #	Function
1	LD Cathode
2	LD Anode, PD Cathode
3	PD Anode



* subject to change

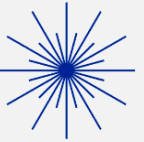
Maximum Rating (T_{CASE} = 25°C)

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	V _R		2.0	V
PD Reverse Voltage	V _{PD} R		30	V
Operating Temperature	T _{OPR}	- 10	+ 70	°C
Storage Temperature	T _{STG}	- 40	+ 85	°C
Soldering Temperature (max. 3s)	T _{SOL}		+ 260	°C

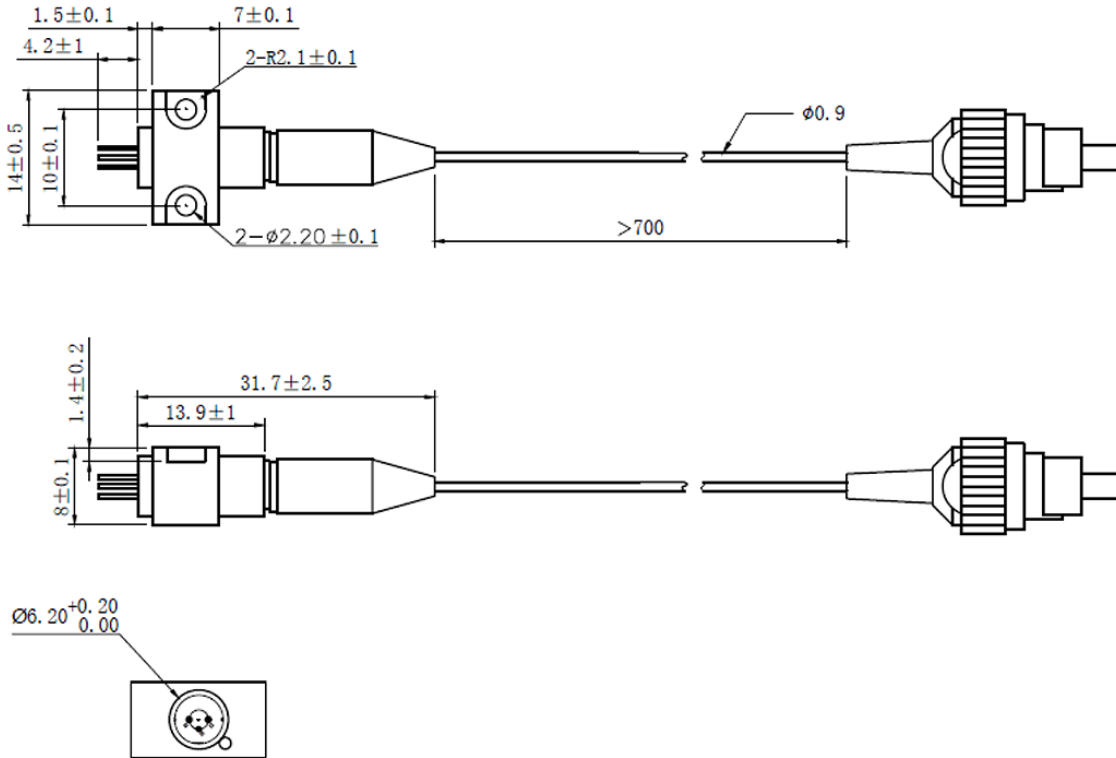


Electro-Optical Characteristics (T_{CASE} = 25°C)

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	λ_P	395	405	415	nm
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Output Power	P _O		15		mW
Operating Voltage	V _F		5.0	6.0	V
Threshold Current	I _{th}		35	70	mA
Operating Current	I _F		90	110	mA
Monitor Current	I _{PD}		0.3		mA
Fiber Specification	core		3		μ 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