



## SPL650-30-105M-PD

- Red Pigtailed Laser Diode
- 658 nm, 30 mW
- 105 µm Multimode Fiber
- Integrated Monitor Photodiode



### Description

SPL650-30-105M-PD is a red pigtailed laser diode, typically emitting at **658 nm** with an output power of **30 mW**. It comes in a coaxial package with **105 µm multimode fiber** and FC/PC connector, integrated PD and preinstalled heatsink (see drawing on page 2).

Additional options like closer peak wavelength selection to  $\pm 5$  nm, other fiber connector like SC or SMA905, or packages are available on request.

### Maximum Rating ( $T_{CASE} = 25^{\circ}C$ )

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	$V_R$		2.0	V
PD Reverse Voltage	$V_{PDR}$		30	V
Operating Temperature	$T_{OPR}$	- 10	+ 60	$^{\circ}C$
Storage Temperature	$T_{STG}$	- 40	+ 85	$^{\circ}C$
Soldering Temperature (max. 3s)	$T_{SOL}$		+ 260	$^{\circ}C$



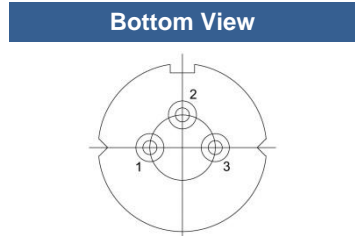
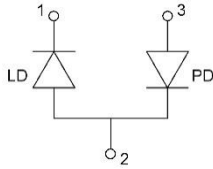
### Electro-Optical Characteristics ( $T_{CASE} = 25^{\circ}C$ )

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	$\lambda_P$	648	658	668	nm
Output Power	$P_O$		30		mW
Spectral Width (FWHM)	$\Delta\lambda$				nm
Operating Voltage	$V_F$		2.7	3.0	V
Threshold Current	$I_{th}$		45	65	mA
Operating Current	$I_F$		100	120	mA
Monitor Current	$I_M$		0.3		mA
Fiber Specification	type	multimode			
	core	105			$\mu m$
	connector	FC/PC			
	length	80	100		cm



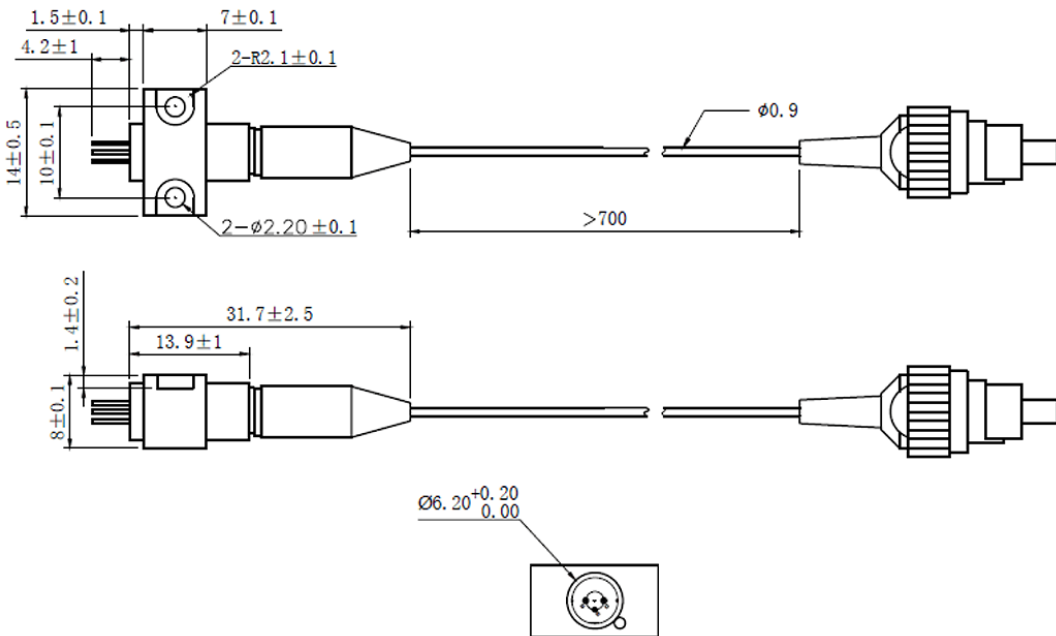
## Electrical Connection

Pin Configuration*	
PIN #	Function
1	LD Cathode
2	LD Anode, PD Cathode
3	PD Anode



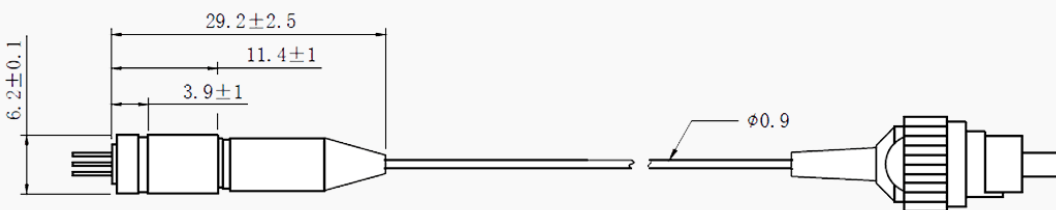
\* subject to change

## Outline Dimension



### Optional: Coaxial Package

SPL650-30-C105M-PD



All dimensions in mm