

## SPL635-350-105M

- Red Pigtailed Laser Diode
- 638 nm, 350 mW
- 105  $\mu\text{m}$  Multimode Fiber



### Description

**SPL635-350-105M** is a red pigtailed laser diode, typically emitting at **638 nm** with an output power of **350 mW**. It comes in a coaxial package with **105  $\mu\text{m}$  multimode fiber** and FC/PC connector, and preinstalled heatsink (see drawing on page 2).

Additional options such as other fiber connector (SC or SMA905) are available on request.

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

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	$V_R$		2.0	V
Operating Temperature	$T_{\text{OPR}}$	0	+ 40	$^{\circ}\text{C}$
Storage Temperature	$T_{\text{STG}}$	- 40	+ 85	$^{\circ}\text{C}$
Soldering Temperature (max. 3s)	$T_{\text{SOL}}$		+ 260	$^{\circ}\text{C}$



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

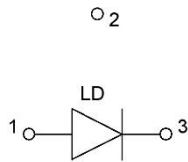
Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	$\lambda_P$	630	638	645	nm
Output Power	$P_O$		350		mW
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Operating Voltage	$V_F$		2.4	3.0	V
Threshold Current	$I_{\text{th}}$		200	250	mA
Operating Current	$I_F$		850	900	mA
Fiber Specification	type	multimode			
	core	105			$\mu\text{m}$
	connector	FC/PC			
	length		80	100	cm



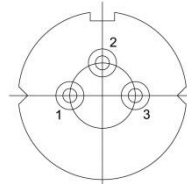
## Electrical Connection

### Pin Configuration\*

PIN #	Function
1	LD Anode
2	GND
3	LD Cathode

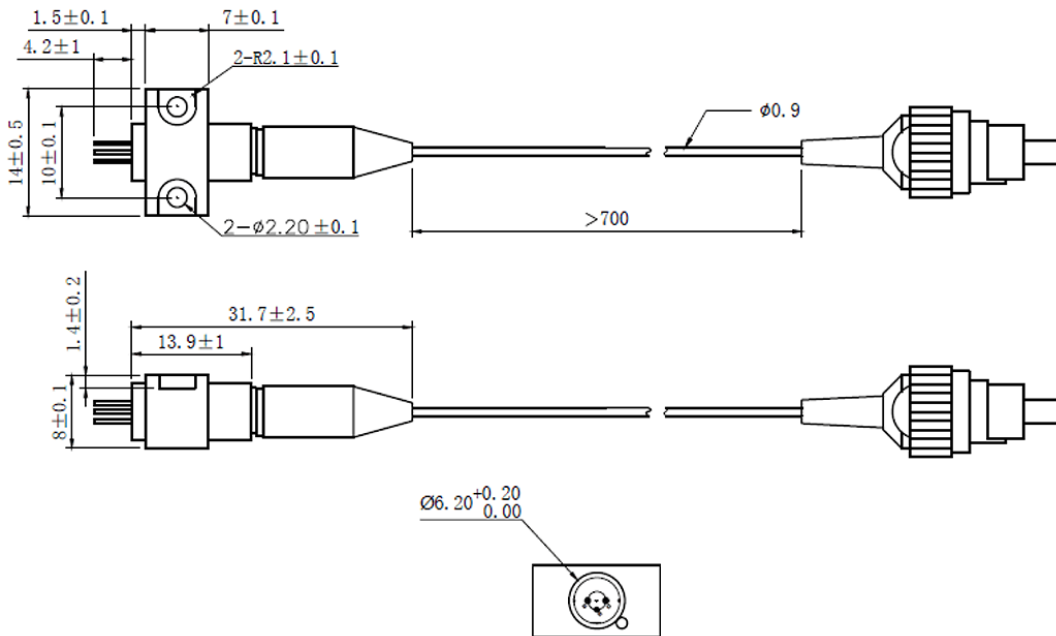


### Bottom View



\* subject to change

## Outline Dimension



All dimensions in mm

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