

SPL635-400-105M

- Red Pigtailed Laser Diode
- 638 nm, 400 mW
- 105 μm Multimode Fiber



Description

SPL635-400-105M is a red pigtailed laser diode, typically emitting at **638 nm** with an output power of **400 mW**. It comes in a coaxial package with **105 μm 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.

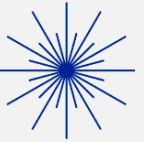
Maximum Rating ($T_{\text{CASE}} = 25^{\circ}\text{C}$)

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



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

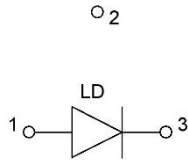
Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	λ_P	630	638	645	nm
Output Power	P_O		400		mW
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Operating Voltage	V_F		2.4	3.0	V
Threshold Current	I_{th}		220	300	mA
Operating Current	I_F		870	950	mA
Fiber Specification	type	multimode			
	core	105			μm
	connector	FC/PC			
	length		80	100	cm



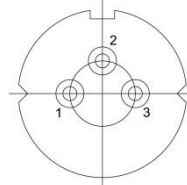
Electrical Connection

Pin Configuration*

PIN #	Function
1	LD Anode
2	GND
3	LD Cathode

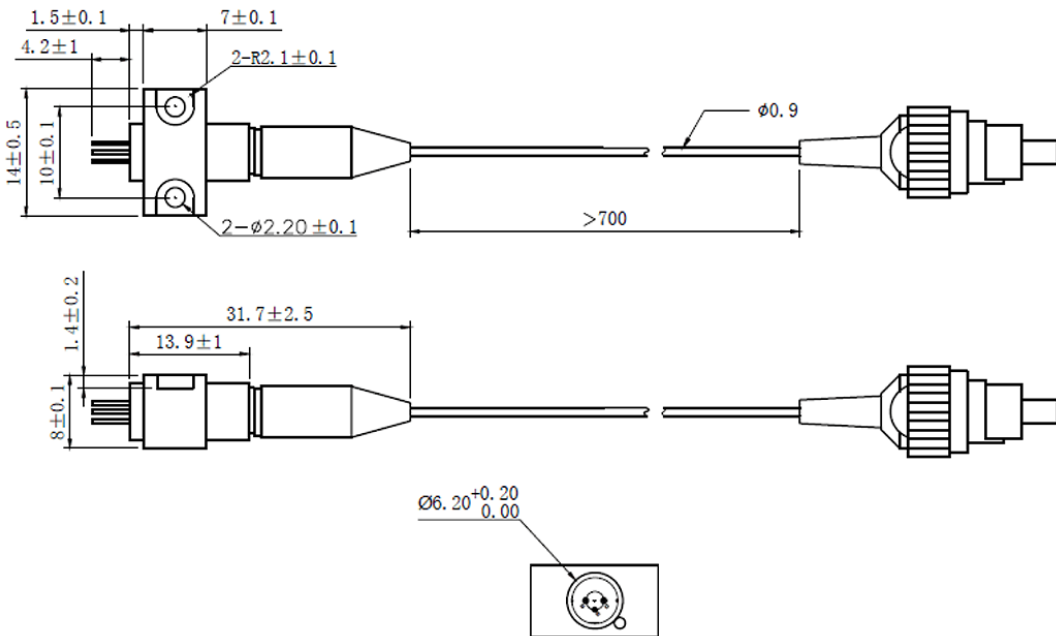


Bottom View



* subject to change

Outline Dimension



All dimensions in mm

© All Rights Reserved

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