



SPL635-300-M

- RED Pigtailed Laser Diode
- 638 nm, 300 mW
- 105 μm Multi Mode Fiber
- FC/PC connector
- Heat Sink



Description

SPL635-300-M is an red pigtailed laser diode, typically emitting at 638 nm with an output power of 300 mW. It comes in a coaxial package with **105 μm multi mode fiber** and FC/PC connector.

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}	- 40	+ 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		300		mW
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Operating Voltage	V_F		2.4	2.8	V
Threshold Current	I_{th}		160	210	mA
Operating Current	I_F		700	800	mA
Fiber Specification	type		multi mode		
	core		105		μm
	connector		FC/PC		
	length		80		cm



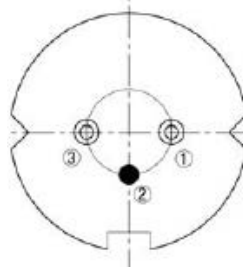
Electrical Connection

Pin Configuration*

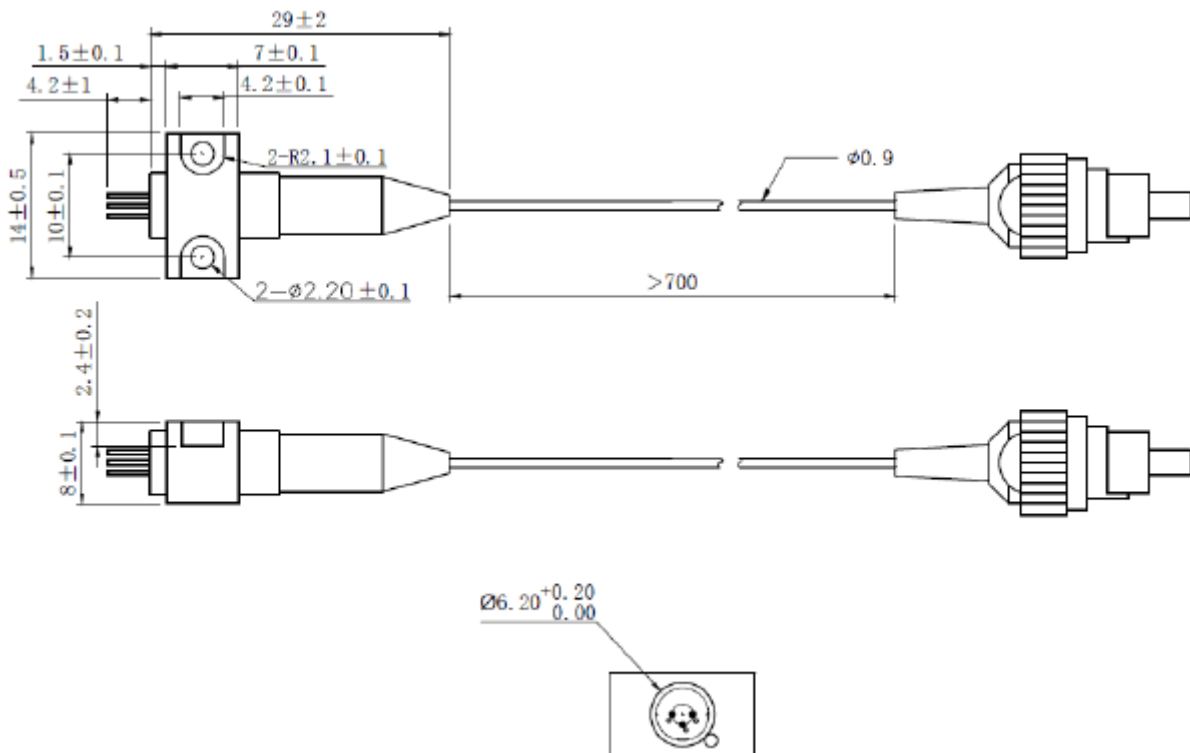
Pin #	Function
Pin 1	LD anode
Pin 2	GND
Pin 3	LD cathode

* subject to change

Bottom View



Outline Dimension



All dimensions in mm