



SPL488-20-3

- Blue Pigtailed Laser Diode
- 488 nm, 20 mW
- 3 μm Single Mode Fiber
- FC/PC connector
- Heat Sink



Description

SPL488-20-3 is a blue pigtailed laser diode, typically emitting at 488 nm with an output power of 20 mW. It comes in a coaxial package with **3 μm Single Mode fiber** and FC/PC connector.

Maximum Rating (T_{CASE} = 25°C)

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	V _R		2.0	V
Operating Temperature	T _{OPR}	- 10	+ 60	°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	480	488	495	nm
Output Power	P _O		20		mW
Spectral Width (FWHM)	$\Delta\lambda$		2.0		nm
Operating Voltage	V _F		6.5	8.0	V
Threshold Current	I _{th}		35	65	mA
Operating Current	I _F		140	160	mA
Fiber Specification	type	Single Mode			
	core	3			μm
	connector	FC/PC *			
	length	80			cm

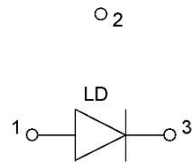
* optional: SC or SMA905



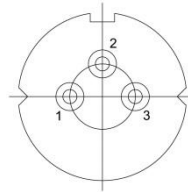
Electrical Connection

Pin Configuration*

Pin #	Function
Pin 1	LD anode
Pin 2	n.c.
Pin 3	LD cathode

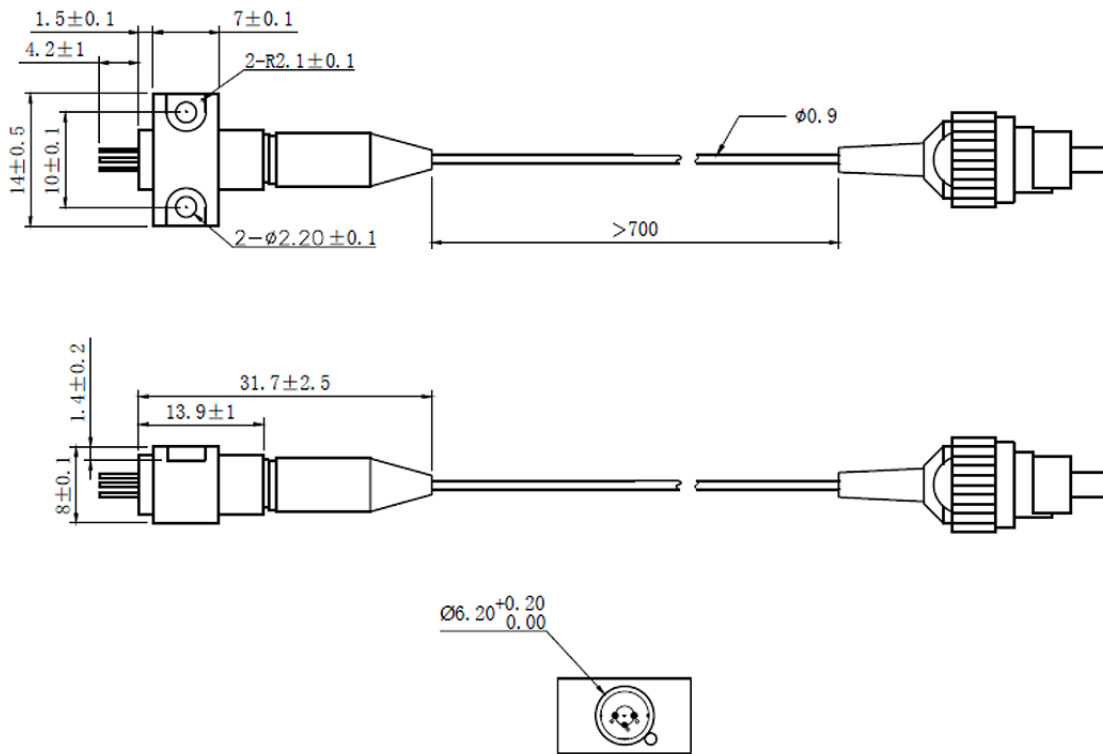


Bottom View



* subject to change

Outline Dimension



All dimensions in mm