



SPL520-30-PM-PD

- Green Pigtailed Laser Diode
- 520 nm, 30 mW
- 3 μ m PM Fiber
- FC/APC connector
- Heat Sink



Description

SPL520-30-PM is a green pigtailed laser diode, typically emitting at 520 nm with an output power of 30 mW. It comes in a coaxial package with heat sink, **integrated monitor PD**, and **3 μ m polarization maintaining fiber** with FC/APC connector.

Maximum Rating

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Voltage	V_R		2.0	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	λ_P	510	520	530	nm
Spectral Width (FWHM)	$\Delta\lambda$		2		nm
Output Power	P_O		30		mW
Operating Voltage	V_F		7.5	8.0	V
Threshold Current	I_{th}		40	90	mA
Operating Current	I_o		230	250	mA
Fiber Spec.	Type	Polarization Maintaining			
	Pol. Extinction Ratio	13	15		dB
	Core diameter		4		μ m
	Connector		FC/APC		
	Length		80		cm

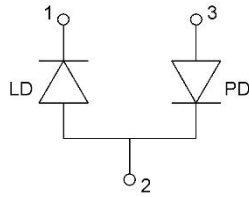




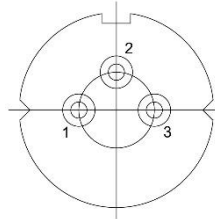
Electrical Connection

Pin Configuration*

Pin #	Function
Pin 1	LD cathode
Pin 2	LD anode, PD cathode
Pin 3	PD anode

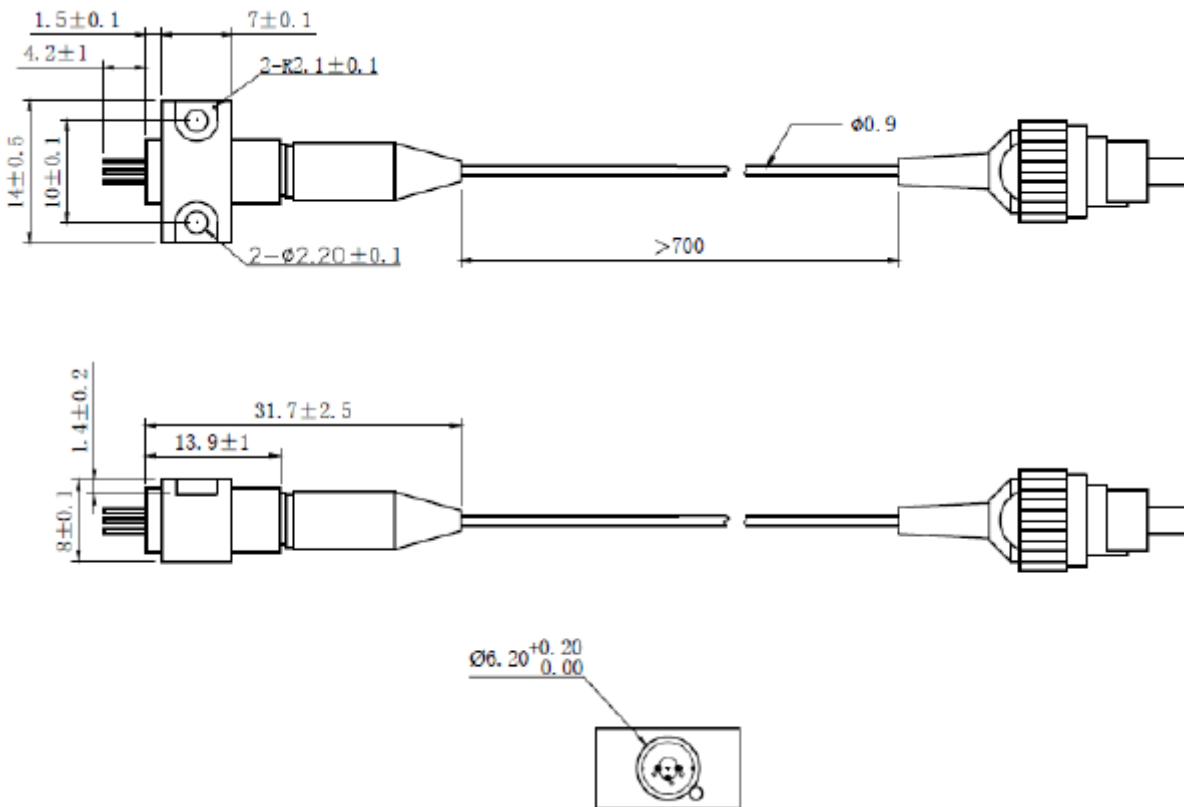


Bottom View



* subject to change

Outline Dimension



All dimensions in mm