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## SPL445-3.5W-200M

- Blue Pigtailed Laser Diode
- 450 nm, 3.5 W
- 200  $\mu$ m Fiber
- Multi Mode



### Description

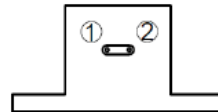
**SPL445-3.5W-200M** is a blue pigtailed multi mode laser diode, typically emitting at 450 nm with an output power of 3.5 W. It comes in a coaxial package with **200  $\mu$ m multi mode fiber** and FC/PC connector, without monitor photodiode, and **preinstalled heatsink** (see drawing on page 2).

### Electrical Connection

#### Pin Configuration\*

Pin #	Function
Pin 1	LD cathode
Pin 2	LD anode

#### Bottom View



\* subject to change

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

Parameter	Symbol	Values		Unit
		Min.	Max.	
Reverse Current	$I_R$		80	mA
Operating Temperature	$T_{OPR}$	0	+ 60	$^{\circ}C$
Storage Temperature	$T_{STG}$	- 40	+ 85	$^{\circ}C$
Soldering Temperature (max. 3s)	$T_{SOL}$		+ 260	$^{\circ}C$

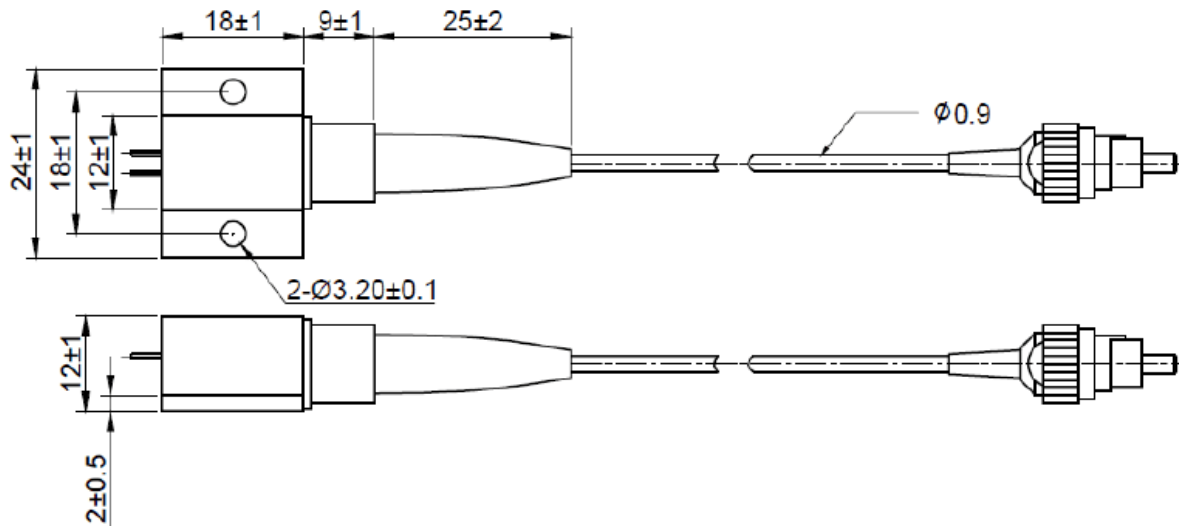


### Electro-Optical Characteristics ( $T_{CASE} = 25^{\circ}C$ )

Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	$\lambda_P$	440	450	465	nm
Spectral Width (FWHM)	$\Delta\lambda$		3.0		nm
Output Power	$P_O$		3.5		W
Operating Voltage	$V_F$		4.5	5.5	V
Threshold Current	$I_{th}$		0.2	0.5	A
Operating Current	$I_F$		3.0	3.3	A
Fiber Specification	core		200		$\mu$ m
	connector		FC/PC		
	length		80		cm



## Outline Dimensions



all dimensions in mm

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