



LP488-SF20

Description

Thorlabs' Single Mode Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long single mode fiber with an FC/PC connector. Each unit is tested before shipment. Please refer to the unit-specific test datasheet for optimal operating parameters.

Specifications

Absolute Maximum Ratings		
LD Reverse Voltage (Max)	2 V	
PD Reverse Voltage (Max)	20 V	
Optical Output Power	20 mW (Typ.)	25 mW (Max)
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	5B	
Fiber	460HP	
Connector	FC/PC	

LP488-SF20 Specifications			
	Min	Typ.	Max
Wavelength	483 nm	488 nm	493 nm
Threshold Current*	-	30 mA	40 mA
Slope Efficiency*	0.20 mW/mA	0.5 mW/mA	-
Operating Current @ $P_0 = 20 \text{ mW}^*$	-	70 mA	110 mA
Operating Voltage @ $P_0 = 20 \text{ mW}^*$	-	6.0 V	8.0 V
Monitor Current @ $P_0 = 20 \text{ mW}^*$	-	0.06 mA	-

*Temperature = 25 °C

Drawing

