



**LPS-PM1310-FC**

### Description

Thorlabs' PM Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long polarization-maintaining fiber with an FC/PC connector. The slow axis of the fiber has been aligned to the key of the connector. Each unit is tested before shipment. Please refer to the unit-specific test datasheet for optimal operating parameters.

### Specifications

LPS-PM1310-FC Specifications			
LD Reverse Voltage (Max)	2 V		
PD Reverse Voltage (Max)	20 V		
Optical Output Power	2.0 mW (min)	2.5 mW (Typ.)	3.0 mW (Max)
Operating Temperature	0 to 50 °C		
Storage Temperature	-10 to 65 °C		
Pin Code	5D		
Laser Diode	ML725B8F		
Fiber	PM1300-HP		
Connector	FC/PC		

LPS-PM1310-FC Specifications			
	Min	Typ.	Max
Wavelength	1290 nm	1310 nm	1330 nm
Threshold Current*	-	5 mA	15 mA
Slope Efficiency*	0.3 mW/mA	0.5 mW/mA	-
Operating Current @ $P_0 = 2.5 \text{ mW}^*$	-	20 mA	35 mA
Operating Voltage @ $P_0 = 2.5 \text{ mW}^*$	-	1.1 V	1.5 V
Monitor Current @ $P_0 = 2.5 \text{ mW}^*$	0.1 mA	0.5 mA	-
Polarization Extinction Ratio	20 dB	23 dB	-

\*Temperature = 25 °C

### Drawing

