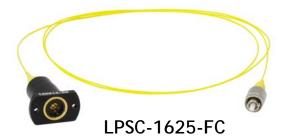
# THORLABS

# Pigtailed Laser Diode, SMF



## **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**

LPSC-1625-FC Specifications			
LD Reverse Voltage (Max)	2 V		
PD Reverse Voltage (Max)	-		
Optical Output Power	50 mW	60 mW	
	(Typ.)	(Max)	
Operating Temperature	0 to 50 °C		
Storage Temperature	-10 to 65 °C		
Pin Code	5E		
Laser Diode	FPL1054T		
Fiber	SMF-28-J9		
Connector	FC/PC		

LPSC-1625-FC Specifications				
	Min	Typ.	Max	
Wavelength	1605 nm	1625 nm	1645 nm	
Threshold Current*	-	45 mA	55 mA	
Slope Efficiency*	0.1 mW/mA	-	-	
Operating Current @ P <sub>0</sub> = 50 mW*	-	350 mA	500 mA	
Operating Voltage @ P <sub>0</sub> = 50 mW*	-	1.5 V	2.0 V	

<sup>\*</sup>Temperature = 25 °C

### **Drawing**

